284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: Q1622

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**MW1**							
Q1622-01	MW1	Water	Acetone	2.60	J	1.50	5.00	ug/L
Q1622-01	MW1	Water	Chloroform	0.81	J	0.25	1.00	ug/L
Q1622-01	MW1	Water	Trichloroethene	0.31	J	0.090	1.00	ug/L
Q1622-01	MW1	Water	Tetrachloroethene	0.54	J	0.23	1.00	ug/L
			Total Voc :	4.26				
			Total Concentration:	4.26				
Client ID:	**MW3**							
Q1622-02	MW3	Water	Acetone	3.30	J	1.50	5.00	ug/L
			Total Voc :	3.30				
			Total Concentration:	3.30				

SAMPLE DATA

Raw Data: **VN086086.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	03/19/25
Project:	Buffington - GECP	Date Received:	03/21/25
Client Sample ID:	MW1	SDG No.:	Q1622
Lab Sample ID:	Q1622-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086086.D	1		03/24/25 20:50	VN032425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	2.60	J	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.27	U	0.27	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.50	U	1.50	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.81	J	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.31	J	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L

Raw Data: **VN086086.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	G Environmental	Date Collected:	03/19/25
Project:	Buffington - GECP	Date Received:	03/21/25
Client Sample ID:	MW1	SDG No.:	Q1622
Lab Sample ID:	Q1622-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086086.D	1		03/24/25 20:50	VN032425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.54	J	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.6		70 (74) - 130 (125)	103%	SPK: 50
1868-53-7	Dibromofluoromethane	49.1		70 (75) - 130 (124)	98%	SPK: 50
2037-26-5	Toluene-d8	46.2		70 (86) - 130 (113)	92%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.6		70 (77) - 130 (121)	85%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	253000	8.224			
540-36-3	1,4-Difluorobenzene	462000	9.1			
3114-55-4	Chlorobenzene-d5	399000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	163000	13.788			

Raw Data: **VN086086.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	03/19/25
Project:	Buffington - GECP	Date Received:	03/21/25
Client Sample ID:	MW1	SDG No.:	Q1622
Lab Sample ID:	Q1622-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086086.D	1		03/24/25 20:50	VN032425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Raw Data: **VN086087.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	03/19/25
Project:	Buffington - GECP	Date Received:	03/21/25
Client Sample ID:	MW3	SDG No.:	Q1622
Lab Sample ID:	Q1622-02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086087.D	1		03/24/25 21:14	VN032425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	3.30	J	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.27	U	0.27	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.50	U	1.50	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L

Raw Data: **VN086087.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	03/19/25
Project:	Buffington - GECP	Date Received:	03/21/25
Client Sample ID:	MW3	SDG No.:	Q1622
Lab Sample ID:	Q1622-02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086087.D	1		03/24/25 21:14	VN032425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.1		70 (74) - 130 (125)	104%	SPK: 50
1868-53-7	Dibromofluoromethane	48.7		70 (75) - 130 (124)	97%	SPK: 50
2037-26-5	Toluene-d8	46.5		70 (86) - 130 (113)	93%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.4		70 (77) - 130 (121)	87%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	243000	8.224			
540-36-3	1,4-Difluorobenzene	452000	9.1			
3114-55-4	Chlorobenzene-d5	399000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	157000	13.788			

Raw Data: **VN086087.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	03/19/25
Project:	Buffington - GECP	Date Received:	03/21/25
Client Sample ID:	MW3	SDG No.:	Q1622
Lab Sample ID:	Q1622-02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086087.D	1		03/24/25 21:14	VN032425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Raw Data: **VN086085.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	03/19/25
Project:	Buffington - GECP	Date Received:	03/21/25
Client Sample ID:	Field-Blank	SDG No.:	Q1622
Lab Sample ID:	Q1622-03	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086085.D	1		03/24/25 20:26	VN032425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	1.50	U	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.27	U	0.27	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.50	U	1.50	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L

Raw Data: **VN086085.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	03/19/25
Project:	Buffington - GECP	Date Received:	03/21/25
Client Sample ID:	Field-Blank	SDG No.:	Q1622
Lab Sample ID:	Q1622-03	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086085.D	1		03/24/25 20:26	VN032425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.5		70 (74) - 130 (125)	103%	SPK: 50
1868-53-7	Dibromofluoromethane	48.5		70 (75) - 130 (124)	97%	SPK: 50
2037-26-5	Toluene-d8	45.9		70 (86) - 130 (113)	92%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.0		70 (77) - 130 (121)	86%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	262000	8.224			
540-36-3	1,4-Difluorobenzene	484000	9.1			
3114-55-4	Chlorobenzene-d5	422000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	173000	13.788			

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	G Environmental	Date Collected:	03/19/25
Project:	Buffington - GECP	Date Received:	03/21/25
Client Sample ID:	Field-Blank	SDG No.:	Q1622
Lab Sample ID:	Q1622-03	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086085.D	1		03/24/25 20:26	VN032425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

QC SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SDG No.: Q1622

Client: G Environmental

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q1622-01	MW1	1,2-Dichloroethane-d4	50	51.6	103	70 (74)	130 (125)
		Dibromofluoromethane	50	49.1	98	70 (75)	130 (124)
		Toluene-d8	50	46.2	92	70 (86)	130 (113)
		4-Bromofluorobenzene	50	42.6	85	70 (77)	130 (121)
Q1622-02	MW3	1,2-Dichloroethane-d4	50	52.1	104	70 (74)	130 (125)
		Dibromofluoromethane	50	48.7	97	70 (75)	130 (124)
		Toluene-d8	50	46.5	93	70 (86)	130 (113)
		4-Bromofluorobenzene	50	43.4	87	70 (77)	130 (121)
Q1622-03	Field-Blank	1,2-Dichloroethane-d4	50	51.5	103	70 (74)	130 (125)
		Dibromofluoromethane	50	48.5	97	70 (75)	130 (124)
		Toluene-d8	50	45.9	92	70 (86)	130 (113)
		4-Bromofluorobenzene	50	43.0	86	70 (77)	130 (121)
VN0324WBL01	VN0324WBL01	1,2-Dichloroethane-d4	50	57.9	116	70 (74)	130 (125)
		Dibromofluoromethane	50	56.0	112	70 (75)	130 (124)
		Toluene-d8	50	49.1	98	70 (86)	130 (113)
		4-Bromofluorobenzene	50	42.4	85	70 (77)	130 (121)
VN0324WBS01	VN0324WBS01	1,2-Dichloroethane-d4	50	51.0	102	70 (74)	130 (125)
		Dibromofluoromethane	50	50.8	102	70 (75)	130 (124)
		Toluene-d8	50	50.8	102	70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.4	101	70 (77)	130 (121)
VN0324WBSD0	VN0324WBSD01	1,2-Dichloroethane-d4	50	46.4	93	70 (74)	130 (125)
		Dibromofluoromethane	50	44.9	90	70 (75)	130 (124)
		Toluene-d8	50	49.8	100	70 (86)	130 (113)
		4-Bromofluorobenzene	50	52.2	104	70 (77)	130 (121)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1622

Client: G Environmental

Analytical Method: SW8260-Low **Datafile :** VN086069.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0324WBS01	Dichlorodifluoromethane	20	18.3	ug/L	92			40 (69)	160 (116)	
	Chloromethane	20	18.1	ug/L	91			40 (65)	160 (116)	
	Vinyl chloride	20	18.7	ug/L	94			70 (65)	130 (117)	
	Bromomethane	20	17.9	ug/L	90			40 (58)	160 (125)	
	Chloroethane	20	17.8	ug/L	89			40 (56)	160 (128)	
	Trichlorofluoromethane	20	17.5	ug/L	88			40 (73)	160 (115)	
	1,1,2-Trichlorotrifluoroethane	20	18.6	ug/L	93			70 (80)	130 (112)	
	1,1-Dichloroethene	20	17.9	ug/L	90			70 (74)	130 (110)	
	Acetone	100	85.3	ug/L	85			40 (60)	160 (125)	
	Carbon disulfide	20	16.4	ug/L	82			40 (64)	160 (112)	
	Methyl tert-butyl Ether	20	17.8	ug/L	89			70 (78)	130 (114)	
	Methyl Acetate	20	20.2	ug/L	101			70 (67)	130 (125)	
	Methylene Chloride	20	18.9	ug/L	95			70 (72)	130 (114)	
	trans-1,2-Dichloroethene	20	18.2	ug/L	91			70 (75)	130 (108)	
	1,1-Dichloroethane	20	19.0	ug/L	95			70 (78)	130 (112)	
	Cyclohexane	20	17.1	ug/L	86			70 (75)	130 (110)	
	2-Butanone	100	87.2	ug/L	87			40 (65)	160 (122)	
	Carbon Tetrachloride	20	18.1	ug/L	91			70 (77)	130 (113)	
	cis-1,2-Dichloroethene	20	18.5	ug/L	93			70 (77)	130 (110)	
	Bromochloromethane	20	20.2	ug/L	101			70 (70)	130 (124)	
	Chloroform	20	18.8	ug/L	94			70 (79)	130 (113)	
	1,1,1-Trichloroethane	20	17.9	ug/L	90			70 (80)	130 (108)	
	Methylcyclohexane	20	16.6	ug/L	83			70 (72)	130 (115)	
	Benzene	20	18.9	ug/L	95			70 (82)	130 (109)	
	1,2-Dichloroethane	20	18.9	ug/L	95			70 (80)	130 (115)	
	Trichloroethene	20	16.7	ug/L	84			70 (77)	130 (113)	
	1,2-Dichloropropane	20	19.6	ug/L	98			70 (83)	130 (111)	
	Bromodichloromethane	20	19.0	ug/L	95			70 (83)	130 (110)	
	4-Methyl-2-Pentanone	100	96.0	ug/L	96			40 (74)	160 (118)	
	Toluene	20	19.9	ug/L	100			70 (82)	130 (110)	
	t-1,3-Dichloropropene	20	18.8	ug/L	94			70 (79)	130 (110)	
	cis-1,3-Dichloropropene	20	18.4	ug/L	92			70 (82)	130 (110)	
	1,1,2-Trichloroethane	20	20.0	ug/L	100			70 (83)	130 (112)	
	2-Hexanone	100	94.7	ug/L	95			40 (73)	160 (117)	
	Dibromochloromethane	20	19.5	ug/L	98			70 (82)	130 (110)	
	1,2-Dibromoethane	20	19.3	ug/L	97			70 (81)	130 (110)	
	Tetrachloroethene	20	18.5	ug/L	93			70 (67)	130 (123)	
	Chlorobenzene	20	18.1	ug/L	91			70 (82)	130 (109)	
	Ethyl Benzene	20	17.8	ug/L	89			70 (83)	130 (109)	
	m/p-Xylenes	40	36.9	ug/L	92			70 (82)	130 (110)	
	o-Xylene	20	18.4	ug/L	92			70 (83)	130 (109)	
	Styrene	20	18.3	ug/L	92			70 (80)	130 (111)	
	Bromoform	20	18.4	ug/L	92			70 (79)	130 (109)	
	Isopropylbenzene	20	16.9	ug/L	85			70 (83)	130 (112)	
	1,1,2,2-Tetrachloroethane	20	17.3	ug/L	86			70 (76)	130 (118)	
	1,3-Dichlorobenzene	20	17.9	ug/L	90			70 (82)	130 (108)	
	1,4-Dichlorobenzene	20	17.0	ug/L	85			70 (82)	130 (107)	
	1,2-Dichlorobenzene	20	16.9	ug/L	85			70 (82)	130 (109)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1622

Client: G Environmental

Analytical Method: SW8260-Low **Datafile :** VN086069.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN0324WBS01	1,2-Dibromo-3-Chloropropane	20	17.0	ug/L	85			40 (68)	160 (112)	
	1,2,4-Trichlorobenzene	20	15.6	ug/L	78			70 (75)	130 (113)	
	1,2,3-Trichlorobenzene	20	15.4	ug/L	77			70 (76)	130 (114)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1622

Client: G Environmental

Analytical Method: SW8260-Low **Datafile :** VN086077.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN0324WBSD01	Dichlorodifluoromethane	20	15.9	ug/L	79	15		40 (69)	160 (116)	20 (20)
	Chloromethane	20	18.3	ug/L	92	1		40 (65)	160 (116)	20 (20)
	Vinyl chloride	20	19.5	ug/L	98	4		70 (65)	130 (117)	20 (20)
	Bromomethane	20	17.4	ug/L	87	3		40 (58)	160 (125)	20 (20)
	Chloroethane	20	19.0	ug/L	95	7		40 (56)	160 (128)	20 (20)
	Trichlorofluoromethane	20	16.7	ug/L	84	5		40 (73)	160 (115)	20 (20)
	1,1,2-Trichlorotrifluoroethane	20	18.5	ug/L	93	0		70 (80)	130 (112)	20 (20)
	1,1-Dichloroethene	20	19.0	ug/L	95	5		70 (74)	130 (110)	20 (20)
	Acetone	100	83.5	ug/L	84	1		40 (60)	160 (125)	20 (20)
	Carbon disulfide	20	16.1	ug/L	81	1		40 (64)	160 (112)	20 (20)
	Methyl tert-butyl Ether	20	19.4	ug/L	97	9		70 (78)	130 (114)	20 (20)
	Methyl Acetate	20	21.5	ug/L	108	7		70 (67)	130 (125)	20 (20)
	Methylene Chloride	20	18.9	ug/L	95	0		70 (72)	130 (114)	20 (20)
	trans-1,2-Dichloroethene	20	19.3	ug/L	97	6		70 (75)	130 (108)	20 (20)
	1,1-Dichloroethane	20	19.6	ug/L	98	3		70 (78)	130 (112)	20 (20)
	Cyclohexane	20	20.3	ug/L	102	17		70 (75)	130 (110)	20 (20)
	2-Butanone	100	95.6	ug/L	96	10		40 (65)	160 (122)	20 (20)
	Carbon Tetrachloride	20	16.8	ug/L	84	8		70 (77)	130 (113)	20 (20)
	cis-1,2-Dichloroethene	20	19.9	ug/L	100	7		70 (77)	130 (110)	20 (20)
	Bromochloromethane	20	20.9	ug/L	104	3		70 (70)	130 (124)	20 (20)
	Chloroform	20	19.0	ug/L	95	1		70 (79)	130 (113)	20 (20)
	1,1,1-Trichloroethane	20	18.8	ug/L	94	4		70 (80)	130 (108)	20 (20)
	Methylcyclohexane	20	21.4	ug/L	107	25	*	70 (72)	130 (115)	20 (20)
	Benzene	20	19.0	ug/L	95	0		70 (82)	130 (109)	20 (20)
	1,2-Dichloroethane	20	16.9	ug/L	85	11		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	18.2	ug/L	91	8		70 (77)	130 (113)	20 (20)
	1,2-Dichloropropane	20	20.6	ug/L	103	5		70 (83)	130 (111)	20 (20)
	Bromodichloromethane	20	18.3	ug/L	92	3		70 (83)	130 (110)	20 (20)
	4-Methyl-2-Pentanone	100	100	ug/L	100	4		40 (74)	160 (118)	20 (20)
	Toluene	20	20.5	ug/L	103	3		70 (82)	130 (110)	20 (20)
	t-1,3-Dichloropropene	20	19.6	ug/L	98	4		70 (79)	130 (110)	20 (20)
	cis-1,3-Dichloropropene	20	19.8	ug/L	99	7		70 (82)	130 (110)	20 (20)
	1,1,2-Trichloroethane	20	20.8	ug/L	104	4		70 (83)	130 (112)	20 (20)
	2-Hexanone	100	110	ug/L	110	15		40 (73)	160 (117)	20 (20)
	Dibromochloromethane	20	18.0	ug/L	90	9		70 (82)	130 (110)	20 (20)
	1,2-Dibromoethane	20	19.8	ug/L	99	2		70 (81)	130 (110)	20 (20)
	Tetrachloroethene	20	18.1	ug/L	91	2		70 (67)	130 (123)	20 (20)
	Chlorobenzene	20	18.6	ug/L	93	2		70 (82)	130 (109)	20 (20)
	Ethyl Benzene	20	20.5	ug/L	103	15		70 (83)	130 (109)	20 (20)
	m/p-Xylenes	40	40.1	ug/L	100	8		70 (82)	130 (110)	20 (20)
	o-Xylene	20	21.9	ug/L	110	18		70 (83)	130 (109)	20 (20)
	Styrene	20	20.9	ug/L	104	12		70 (80)	130 (111)	20 (20)
	Bromoform	20	17.5	ug/L	88	4		70 (79)	130 (109)	20 (20)
	Isopropylbenzene	20	22.5	ug/L	113	28	*	70 (83)	130 (112)	20 (20)
	1,1,2,2-Tetrachloroethane	20	18.6	ug/L	93	8		70 (76)	130 (118)	20 (20)
	1,3-Dichlorobenzene	20	19.2	ug/L	96	6		70 (82)	130 (108)	20 (20)
	1,4-Dichlorobenzene	20	17.9	ug/L	90	6		70 (82)	130 (107)	20 (20)
	1,2-Dichlorobenzene	20	19.2	ug/L	96	12		70 (82)	130 (109)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1622

Client: G Environmental

Analytical Method: SW8260-Low **Datafile :** VN086077.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN0324WBSD01	1,2-Dibromo-3-Chloropropane	20	18.8	ug/L	94	10		40 (68)	160 (112)	20 (20)
	1,2,4-Trichlorobenzene	20	20.3	ug/L	102	27	*	70 (75)	130 (113)	20 (20)
	1,2,3-Trichlorobenzene	20	21.3	ug/L	106	32	*	70 (76)	130 (114)	20 (20)

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0324WBL01

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1622 SAS No.: Q1622 SDG NO.: Q1622

Lab File ID: VN086067.D Lab Sample ID: VN0324WBL01

Date Analyzed: 03/24/2025 Time Analyzed: 13:02

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_N

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN0324WBS01	VN0324WBS01	VN086069.D	03/24/2025
VN0324WBSD01	VN0324WBSD01	VN086077.D	03/24/2025
Field-Blank	Q1622-03	VN086085.D	03/24/2025
MW1	Q1622-01	VN086086.D	03/24/2025
MW3	Q1622-02	VN086087.D	03/24/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1622 SAS No.: Q1622 SDG NO.: Q1622

Lab File ID: VN085994.D BFB Injection Date: 03/18/2025

Instrument ID: MSVOA_N BFB Injection Time: 08:52

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	15.2
75	30.0 - 60.0% of mass 95	52.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.6 (0.7) 1
174	50.0 - 100.0% of mass 95	87.1
175	5.0 - 9.0% of mass 174	6.7 (7.7) 1
176	95.0 - 101.0% of mass 174	83.7 (96.2) 1
177	5.0 - 9.0% of mass 176	5.4 (6.4) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC100	VSTDICC100	VN085996.D	03/18/2025	11:44
VSTDICCC050	VSTDICCC050	VN085997.D	03/18/2025	12:08
VSTDICC020	VSTDICC020	VN085998.D	03/18/2025	12:32
VSTDICC010	VSTDICC010	VN085999.D	03/18/2025	12:57
VSTDICC005	VSTDICC005	VN086000.D	03/18/2025	13:21
VSTDICC001	VSTDICC001	VN086001.D	03/18/2025	14:09

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1622 SAS No.: Q1622 SDG NO.: Q1622

Lab File ID: VN086064.D BFB Injection Date: 03/24/2025

Instrument ID: MSVOA_N BFB Injection Time: 11:38

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.4
75	30.0 - 60.0% of mass 95	51.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.3
173	Less than 2.0% of mass 174	1.6 (1.8) 1
174	50.0 - 100.0% of mass 95	89.6
175	5.0 - 9.0% of mass 174	6.5 (7.2) 1
176	95.0 - 101.0% of mass 174	86 (96) 1
177	5.0 - 9.0% of mass 176	6.1 (7.1) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN086065.D	03/24/2025	12:03
VN0324WBL01	VN0324WBL01	VN086067.D	03/24/2025	13:02
VN0324WBS01	VN0324WBS01	VN086069.D	03/24/2025	14:00
VN0324WBSD01	VN0324WBSD01	VN086077.D	03/24/2025	17:13
Field-Blank	Q1622-03	VN086085.D	03/24/2025	20:26
MW1	Q1622-01	VN086086.D	03/24/2025	20:50
MW3	Q1622-02	VN086087.D	03/24/2025	21:14

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1622 SAS No.: Q1622 SDG NO.: Q1622

Lab File ID: VN086065.D Date Analyzed: 03/24/2025

Instrument ID: MSVOA_N Time Analyzed: 12:03

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	160831	8.22	254989	9.10	239260	11.87
UPPER LIMIT	321662	8.724	509978	9.6	478520	12.365
LOWER LIMIT	80415.5	7.724	127495	8.6	119630	11.365
EPA SAMPLE NO.						
MW1	252685	8.22	462481	9.10	398785	11.87
MW3	243235	8.22	452406	9.10	398702	11.87
Field-Blank	262167	8.22	483807	9.10	422031	11.87
VN0324WBL01	131247	8.22	230937	9.10	213386	11.87
VN0324WBS01	162414	8.22	258911	9.10	235727	11.87
VN0324WBSD01	270759	8.22	461280	9.10	433499	11.87

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1622 SAS No.: Q1622 SDG NO.: Q1622

Lab File ID: VN086065.D Date Analyzed: 03/24/2025

Instrument ID: MSVOA_N Time Analyzed: 12:03

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	132834	13.788				
UPPER LIMIT	265668	14.288				
LOWER LIMIT	66417	13.288				
EPA SAMPLE NO.						
MW1	163397	13.79				
MW3	157433	13.79				
Field-Blank	173343	13.79				
VN0324WBL01	85734	13.79				
VN0324WBS01	121424	13.79				
VN0324WBSD01	206640	13.79				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

QC SAMPLE DATA

Raw Data: **VN086067.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buffington - GECP	Date Received:	
Client Sample ID:	VN0324WBL01	SDG No.:	Q1622
Lab Sample ID:	VN0324WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086067.D	1		03/24/25 13:02	VN032425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	1.50	U	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.27	U	0.27	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.50	U	1.50	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buffington - GECP	Date Received:	
Client Sample ID:	VN0324WBL01	SDG No.:	Q1622
Lab Sample ID:	VN0324WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086067.D	1		03/24/25 13:02	VN032425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.9		70 (74) - 130 (125)	116%	SPK: 50
1868-53-7	Dibromofluoromethane	56.0		70 (75) - 130 (124)	112%	SPK: 50
2037-26-5	Toluene-d8	49.1		70 (86) - 130 (113)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.4		70 (77) - 130 (121)	85%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	131000	8.224			
540-36-3	1,4-Difluorobenzene	231000	9.1			
3114-55-4	Chlorobenzene-d5	213000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	85700	13.788			

Raw Data: **VN086067.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buffington - GECP	Date Received:	
Client Sample ID:	VN0324WBL01	SDG No.:	Q1622
Lab Sample ID:	VN0324WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086067.D	1		03/24/25 13:02	VN032425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buffington - GECP	Date Received:	
Client Sample ID:	VN0324WBS01	SDG No.:	Q1622
Lab Sample ID:	VN0324WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086069.D	1		03/24/25 14:00	VN032425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	18.3		0.22	1.00	ug/L
74-87-3	Chloromethane	18.1		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	18.7		0.26	1.00	ug/L
74-83-9	Bromomethane	17.9		1.40	5.00	ug/L
75-00-3	Chloroethane	17.8		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	17.5		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.6		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.9		0.23	1.00	ug/L
67-64-1	Acetone	85.3		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	16.4		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	17.8		0.16	1.00	ug/L
79-20-9	Methyl Acetate	20.2		0.27	1.00	ug/L
75-09-2	Methylene Chloride	18.9		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.2		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.0		0.23	1.00	ug/L
110-82-7	Cyclohexane	17.1		1.50	5.00	ug/L
78-93-3	2-Butanone	87.2		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.1		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.5		0.19	1.00	ug/L
74-97-5	Bromochloromethane	20.2		0.22	1.00	ug/L
67-66-3	Chloroform	18.8		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	17.9		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	16.6		0.16	1.00	ug/L
71-43-2	Benzene	18.9		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	18.9		0.22	1.00	ug/L
79-01-6	Trichloroethene	16.7		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.6		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	19.0		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	96.0		0.68	5.00	ug/L
108-88-3	Toluene	19.9		0.14	1.00	ug/L

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buffington - GECP	Date Received:	
Client Sample ID:	VN0324WBS01	SDG No.:	Q1622
Lab Sample ID:	VN0324WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086069.D	1		03/24/25 14:00	VN032425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	18.8		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	18.4		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.0		0.21	1.00	ug/L
591-78-6	2-Hexanone	94.7		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	19.5		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	19.3		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	18.5		0.23	1.00	ug/L
108-90-7	Chlorobenzene	18.1		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	17.8		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	36.9		0.24	2.00	ug/L
95-47-6	o-Xylene	18.4		0.12	1.00	ug/L
100-42-5	Styrene	18.3		0.15	1.00	ug/L
75-25-2	Bromoform	18.4		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	16.9		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	17.3		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	17.9		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	17.0		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	16.9		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	17.0		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	15.6		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	15.4		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.0		70 (74) - 130 (125)	102%	SPK: 50
1868-53-7	Dibromofluoromethane	50.8		70 (75) - 130 (124)	102%	SPK: 50
2037-26-5	Toluene-d8	50.8		70 (86) - 130 (113)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.4		70 (77) - 130 (121)	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	162000	8.224			
540-36-3	1,4-Difluorobenzene	259000	9.1			
3114-55-4	Chlorobenzene-d5	236000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	121000	13.788			

Raw Data: **VN086069.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buffington - GECP	Date Received:	
Client Sample ID:	VN0324WBS01	SDG No.:	Q1622
Lab Sample ID:	VN0324WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086069.D	1		03/24/25 14:00	VN032425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buffington - GECP	Date Received:	
Client Sample ID:	VN0324WBSD01	SDG No.:	Q1622
Lab Sample ID:	VN0324WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086077.D	1		03/24/25 17:13	VN032425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	15.9		0.22	1.00	ug/L
74-87-3	Chloromethane	18.3		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	19.5		0.26	1.00	ug/L
74-83-9	Bromomethane	17.4		1.40	5.00	ug/L
75-00-3	Chloroethane	19.0		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	16.7		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.5		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.0		0.23	1.00	ug/L
67-64-1	Acetone	83.5		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	16.1		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.4		0.16	1.00	ug/L
79-20-9	Methyl Acetate	21.5		0.27	1.00	ug/L
75-09-2	Methylene Chloride	18.9		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.3		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.6		0.23	1.00	ug/L
110-82-7	Cyclohexane	20.3		1.50	5.00	ug/L
78-93-3	2-Butanone	95.6		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	16.8		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.9		0.19	1.00	ug/L
74-97-5	Bromochloromethane	20.9		0.22	1.00	ug/L
67-66-3	Chloroform	19.0		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.8		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	21.4		0.16	1.00	ug/L
71-43-2	Benzene	19.0		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	16.9		0.22	1.00	ug/L
79-01-6	Trichloroethene	18.2		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.6		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	18.3		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	100		0.68	5.00	ug/L
108-88-3	Toluene	20.5		0.14	1.00	ug/L

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buffington - GECP	Date Received:	
Client Sample ID:	VN0324WBSD01	SDG No.:	Q1622
Lab Sample ID:	VN0324WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086077.D	1		03/24/25 17:13	VN032425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	19.6		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.8		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.8		0.21	1.00	ug/L
591-78-6	2-Hexanone	110		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	18.0		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	19.8		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	18.1		0.23	1.00	ug/L
108-90-7	Chlorobenzene	18.6		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	20.5		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	40.1		0.24	2.00	ug/L
95-47-6	o-Xylene	21.9		0.12	1.00	ug/L
100-42-5	Styrene	20.9		0.15	1.00	ug/L
75-25-2	Bromoform	17.5		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	22.5		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	18.6		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.2		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	17.9		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.2		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	18.8		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	20.3		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	21.3		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.4		70 (74) - 130 (125)	93%	SPK: 50
1868-53-7	Dibromofluoromethane	44.9		70 (75) - 130 (124)	90%	SPK: 50
2037-26-5	Toluene-d8	49.8		70 (86) - 130 (113)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.2		70 (77) - 130 (121)	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	271000	8.224			
540-36-3	1,4-Difluorobenzene	461000	9.1			
3114-55-4	Chlorobenzene-d5	433000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	207000	13.788			

Raw Data: **VN086077.D**

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Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buffington - GECP	Date Received:	
Client Sample ID:	VN0324WBSD01	SDG No.:	Q1622
Lab Sample ID:	VN0324WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086077.D	1		03/24/25 17:13	VN032425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

CALIBRATION SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1622 SAS No.: Q1622 SDG No.: Q1622

Instrument ID: MSVOA_N Calibration Date(s): 03/18/2025 03/18/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:44 14:09

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF100 = VN085996.D RRF050 = VN085997.D RRF020 = VN085998.D
RRF010 = VN085999.D RRF005 = VN086000.D RRF001 = VN086001.D

COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.707	0.643	0.600	0.649	0.697	0.678	0.662	6
Chloromethane	0.575	0.557	0.514	0.544	0.612	0.683	0.581	10.3
Vinyl Chloride	0.622	0.592	0.541	0.581	0.634	0.592	0.594	5.5
Bromomethane	0.388	0.381	0.377	0.411	0.466		0.404	9.2
Chloroethane	0.355	0.330	0.334	0.378	0.403	0.446	0.375	11.9
Trichlorofluoromethane	1.059	0.977	0.959	1.035	1.107	1.267	1.067	10.5
1,1,2-Trichlorotrifluoroethane	0.574	0.515	0.512	0.553	0.590	0.659	0.567	9.7
1,1-Dichloroethene	0.567	0.516	0.481	0.545	0.550	0.415	0.512	11
Acetone	0.251	0.194	0.179	0.195	0.213	0.223	0.209	12.4
Carbon Disulfide	1.649	1.510	1.467	1.610	1.765	2.107	1.685	13.8
Methyl tert-butyl Ether	1.888	1.691	1.578	1.604	1.638	1.673	1.679	6.6
Methyl Acetate	0.488	0.469	0.434	0.504	0.542	0.667	0.518	15.8
Methylene Chloride	0.613	0.565	0.551	0.572	0.639	0.731	0.612	10.9
trans-1,2-Dichloroethene	0.603	0.534	0.521	0.546	0.564	0.591	0.560	5.8
1,1-Dichloroethane	1.023	0.949	0.908	0.968	1.032	1.130	1.001	7.8
Cyclohexane	0.890	0.799	0.765	0.854	0.957		0.853	8.9
2-Butanone	0.331	0.292	0.277	0.297	0.319	0.296	0.302	6.5
Carbon Tetrachloride	0.673	0.578	0.557	0.580	0.613	0.624	0.604	6.9
cis-1,2-Dichloroethene	0.688	0.633	0.591	0.617	0.656	0.632	0.636	5.3
Bromochloromethane	0.403	0.391	0.398	0.404	0.430	0.521	0.424	11.6
Chloroform	1.119	1.017	1.011	1.101	1.149	1.245	1.107	7.9
1,1,1-Trichloroethane	1.093	0.986	0.962	1.025	1.097	1.124	1.048	6.3
Methylcyclohexane	0.579	0.475	0.419	0.399	0.426	0.438	0.456	14.3
Benzene	1.610	1.393	1.348	1.386	1.453	1.466	1.443	6.5
1,2-Dichloroethane	0.538	0.475	0.462	0.491	0.528	0.521	0.503	6.1
Trichloroethene	0.394	0.346	0.335	0.353	0.380	0.435	0.374	10
1,2-Dichloropropane	0.366	0.321	0.319	0.321	0.333	0.309	0.328	6.2
Bromodichloromethane	0.600	0.516	0.506	0.515	0.561	0.537	0.539	6.6
4-Methyl-2-Pentanone	0.434	0.385	0.368	0.380	0.369	0.287	0.371	12.9
Toluene	1.074	0.915	0.862	0.878	0.856	0.727	0.885	12.7

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1622 SAS No.: Q1622 SDG No.: Q1622

Instrument ID: MSVOA_N Calibration Date(s): 03/18/2025 03/18/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:44 14:09

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF100 = VN085996.D RRF050 = VN085997.D RRF020 = VN085998.D
RRF010 = VN085999.D RRF005 = VN086000.D RRF001 = VN086001.D

COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.646	0.539	0.504	0.506	0.501	0.446	0.524	12.8
cis-1,3-Dichloropropene	0.659	0.568	0.533	0.555	0.537	0.464	0.553	11.5
1,1,2-Trichloroethane	0.382	0.327	0.316	0.330	0.338	0.335	0.338	6.7
2-Hexanone	0.334	0.284	0.269	0.270	0.261	0.202	0.270	15.7
Dibromochloromethane	0.503	0.432	0.408	0.422	0.436	0.416	0.436	7.8
1,2-Dibromoethane	0.400	0.351	0.326	0.343	0.337	0.325	0.347	8
Tetrachloroethene	0.407	0.371	0.370	0.390	0.421	0.433	0.399	6.6
Chlorobenzene	1.229	1.085	1.070	1.116	1.156	1.208	1.144	5.7
Ethyl Benzene	2.209	1.918	1.744	1.769	1.755	1.586	1.830	11.7
m/p-Xylenes	0.867	0.756	0.700	0.690	0.660	0.643	0.719	11.4
o-Xylene	0.831	0.713	0.655	0.645	0.585	0.532	0.660	15.8
Styrene	1.431	1.219	1.115	1.044	1.032	0.924	1.128	15.8
Bromoform	0.392	0.345	0.329	0.342	0.355	0.371	0.356	6.4
Isopropylbenzene	3.863	3.599	3.251	3.470	3.264	3.039	3.414	8.6
1,1,2,2-Tetrachloroethane	1.076	1.052	1.041	1.191	1.261	1.311	1.155	10
1,3-Dichlorobenzene	1.842	1.685	1.614	1.749	1.718	1.688	1.716	4.5
1,4-Dichlorobenzene	1.825	1.667	1.621	1.756	1.907	2.043	1.803	8.7
1,2-Dichlorobenzene	1.716	1.598	1.522	1.673	1.724	2.004	1.706	9.7
1,2-Dibromo-3-Chloropropane	0.240	0.221	0.216	0.266	0.250	0.192	0.231	11.5
1,2,4-Trichlorobenzene	0.952	0.850	0.779	0.815	0.851	0.899	0.858	7.1
1,2,3-Trichlorobenzene	0.900	0.829	0.772	0.794	0.791	0.798	0.814	5.7
1,2-Dichloroethane-d4	0.632	0.665	0.669	0.721	0.737		0.685	6.3
Dibromofluoromethane	0.333	0.334	0.347	0.362	0.368		0.349	4.5
Toluene-d8	1.309	1.266	1.253	1.289	1.217		1.267	2.8
4-Bromofluorobenzene	0.514	0.466	0.447	0.440	0.391		0.452	9.8

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1622 SAS No.: Q1622 SDG No.: Q1622

Instrument ID: MSVOA_N Calibration Date/Time: 03/24/2025 12:03

Lab File ID: VN086065.D Init. Calib. Date(s): 03/18/2025 03/18/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:44 14:09

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.662	0.632		-4.53	20
Chloromethane	0.581	0.530	0.1	-8.78	20
Vinyl Chloride	0.594	0.574		-3.37	20
Bromomethane	0.404	0.365		-9.65	20
Chloroethane	0.375	0.357		-4.8	20
Trichlorofluoromethane	1.067	1.041		-2.44	20
1,1,2-Trichlorotrifluoroethane	0.567	0.571		0.7	20
1,1-Dichloroethene	0.512	0.518		1.17	20
Acetone	0.209	0.194		-7.18	20
Carbon Disulfide	1.685	1.519		-9.85	20
Methyl tert-butyl Ether	1.679	1.722		2.56	20
Methyl Acetate	0.518	0.551		6.37	20
Methylene Chloride	0.612	0.635		3.76	20
trans-1,2-Dichloroethene	0.560	0.579		3.39	20
1,1-Dichloroethane	1.001	1.035	0.1	3.4	20
Cyclohexane	0.853	0.807		-5.39	20
2-Butanone	0.302	0.303		0.33	20
Carbon Tetrachloride	0.604	0.650		7.62	20
cis-1,2-Dichloroethene	0.636	0.674		5.97	20
Bromochloromethane	0.424	0.405		-4.48	20
Chloroform	1.107	1.164		5.15	20
1,1,1-Trichloroethane	1.048	1.089		3.91	20
Methylcyclohexane	0.456	0.445		-2.41	20
Benzene	1.443	1.563		8.32	20
1,2-Dichloroethane	0.503	0.524		4.18	20
Trichloroethene	0.374	0.359		-4.01	20
1,2-Dichloropropane	0.328	0.360		9.76	20
Bromodichloromethane	0.539	0.577		7.05	20
4-Methyl-2-Pentanone	0.371	0.426		14.82	20
Toluene	0.885	1.004		13.45	20
t-1,3-Dichloropropene	0.524	0.553		5.53	20
cis-1,3-Dichloropropene	0.553	0.584		5.61	20
1,1,2-Trichloroethane	0.338	0.376		11.24	20
2-Hexanone	0.270	0.315		16.67	20
Dibromochloromethane	0.436	0.493		13.07	20
1,2-Dibromoethane	0.347	0.376		8.36	20
Tetrachloroethene	0.399	0.398		-0.25	20
Chlorobenzene	1.144	1.142	0.3	-0.17	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1622 SAS No.: Q1622 SDG No.: Q1622

Instrument ID: MSVOA_N Calibration Date/Time: 03/24/2025 12:03

Lab File ID: VN086065.D Init. Calib. Date(s): 03/18/2025 03/18/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:44 14:09

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.830	1.972		7.76	20
m/p-Xylenes	0.719	0.809		12.52	20
o-Xylene	0.660	0.752		13.94	20
Styrene	1.128	1.324		17.38	20
Bromoform	0.356	0.372	0.1	4.49	20
Isopropylbenzene	3.414	3.371		-1.26	20
1,1,2,2-Tetrachloroethane	1.155	1.071	0.3	-7.27	20
1,3-Dichlorobenzene	1.716	1.699		-0.99	20
1,4-Dichlorobenzene	1.803	1.675		-7.1	20
1,2-Dichlorobenzene	1.706	1.650		-3.28	20
1,2-Dibromo-3-Chloropropane	0.231	0.212		-8.23	20
1,2,4-Trichlorobenzene	0.858	0.759		-11.54	20
1,2,3-Trichlorobenzene	0.814	0.761		-6.51	20
1,2-Dichloroethane-d4	0.685	0.707		3.21	20
Dibromofluoromethane	0.349	0.367		5.16	20
Toluene-d8	1.267	1.355		6.95	20
4-Bromofluorobenzene	0.452	0.494		9.29	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

SAMPLE RAW DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032425\
Data File : VN086086.D
Acq On : 24 Mar 2025 20:50
Operator : JC\MD
Sample : Q1622-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW1

Quant Time: Mar 25 01:32:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

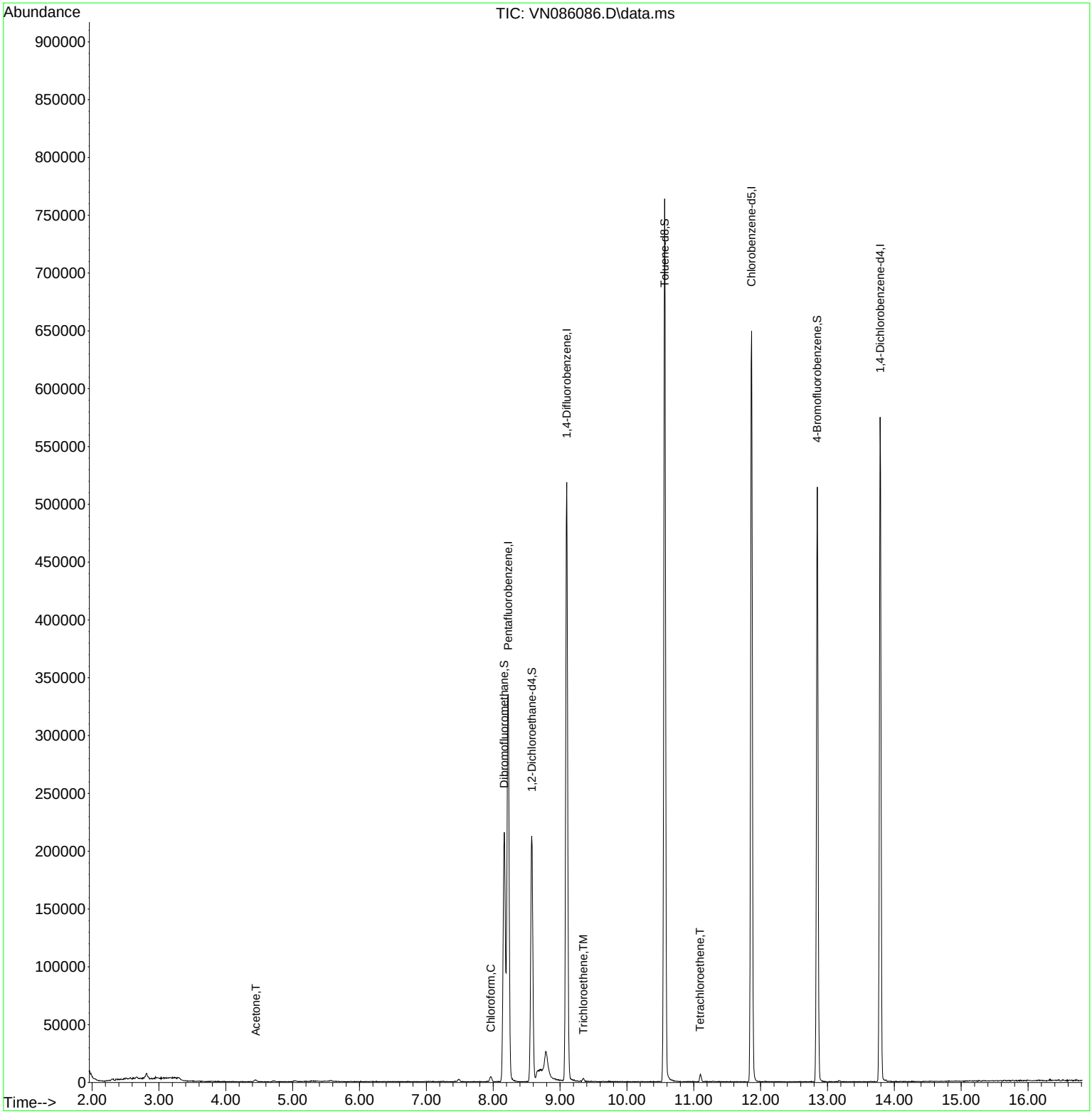
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	252685	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	462481	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	398785	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	163397	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	178605	51.618	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.240%			
35) Dibromofluoromethane	8.165	113	158567	49.121	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.240%			
50) Toluene-d8	10.565	98	540982	46.176	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 92.360%			
62) 4-Bromofluorobenzene	12.847	95	178180	42.646	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 85.300%			
Target Compounds						Qvalue
16) Acetone	4.447	43	2766	2.617	ug/l	93
30) Chloroform	7.965	83	4502	0.805	ug/l #	81
44) Trichloroethene	9.347	130	1076	0.311	ug/l	76
64) Tetrachloroethene	11.094	164	1731	0.544	ug/l #	75

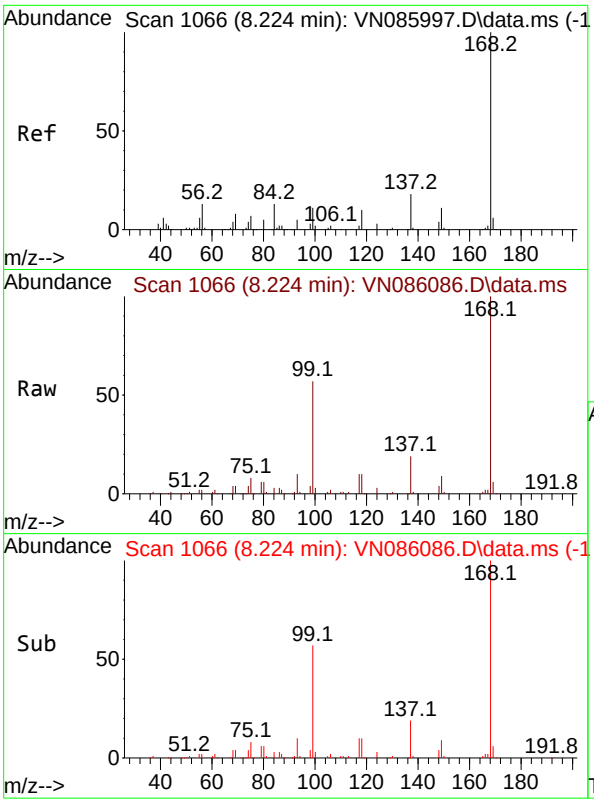
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032425\
Data File : VN086086.D
Acq On : 24 Mar 2025 20:50
Operator : JC\MD
Sample : Q1622-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW1

Quant Time: Mar 25 01:32:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration



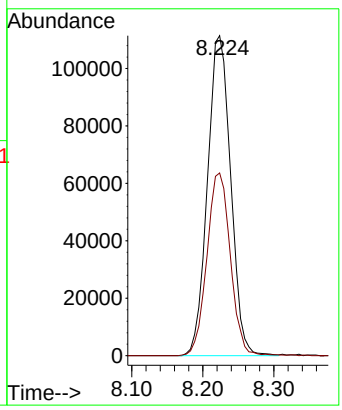


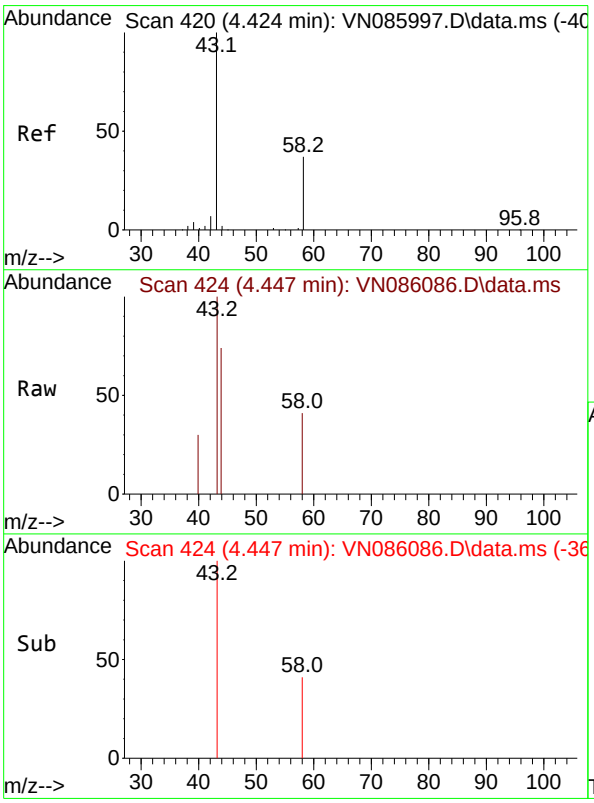
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086086.D
Acq: 24 Mar 2025 20:50

Instrument :
MSVOA_N
ClientSampleId :
MW1

Tgt Ion:168 Resp: 252685

Ion	Ratio	Lower	Upper
168	100		
99	57.1	49.4	74.2

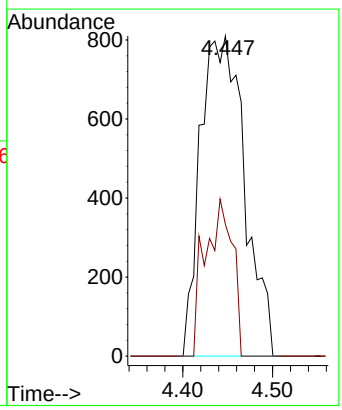


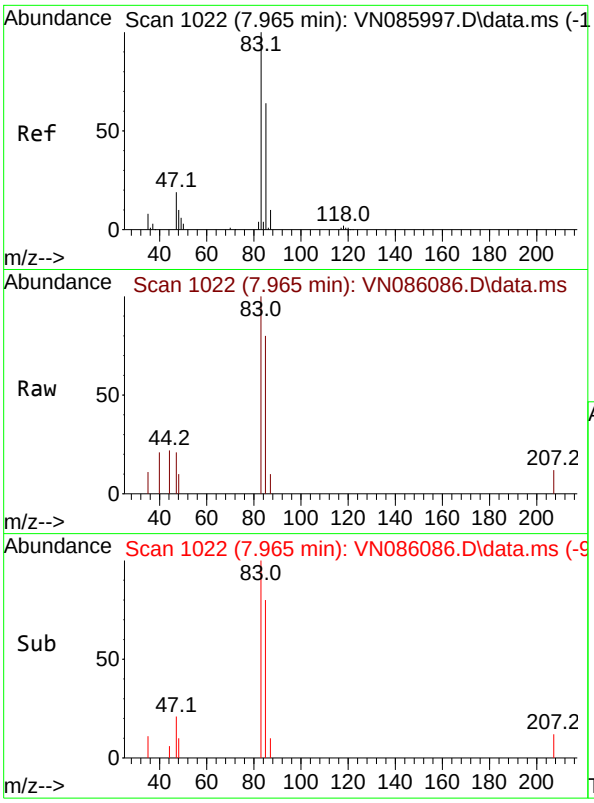


#16
Acetone
Concen: 2.617 ug/l
RT: 4.447 min Scan# 424
Delta R.T. 0.023 min
Lab File: VN086086.D
Acq: 24 Mar 2025 20:50

Tgt Ion: 43 Resp: 2766

Ion	Ratio	Lower	Upper
43	100		
58	41.1	29.4	44.2



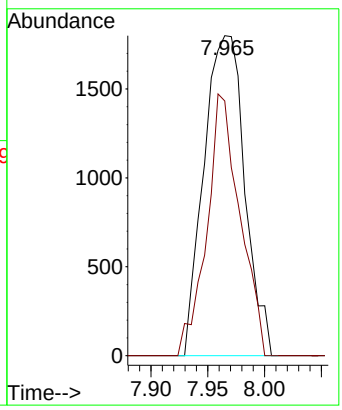


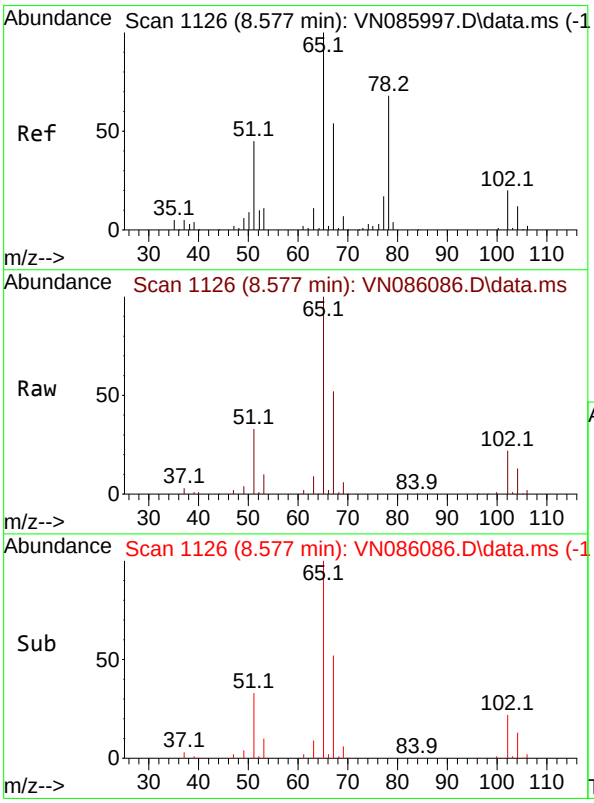
#30
Chloroform
Concen: 0.805 ug/l
RT: 7.965 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086086.D
Acq: 24 Mar 2025 20:50

Instrument :
MSVOA_N
ClientSampleId :
MW1

Tgt Ion: 83 Resp: 4502

Ion	Ratio	Lower	Upper
83	100		
85	79.6	51.5	77.3#

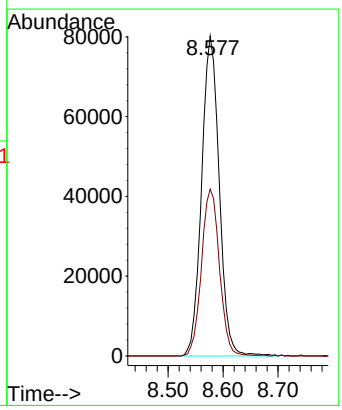


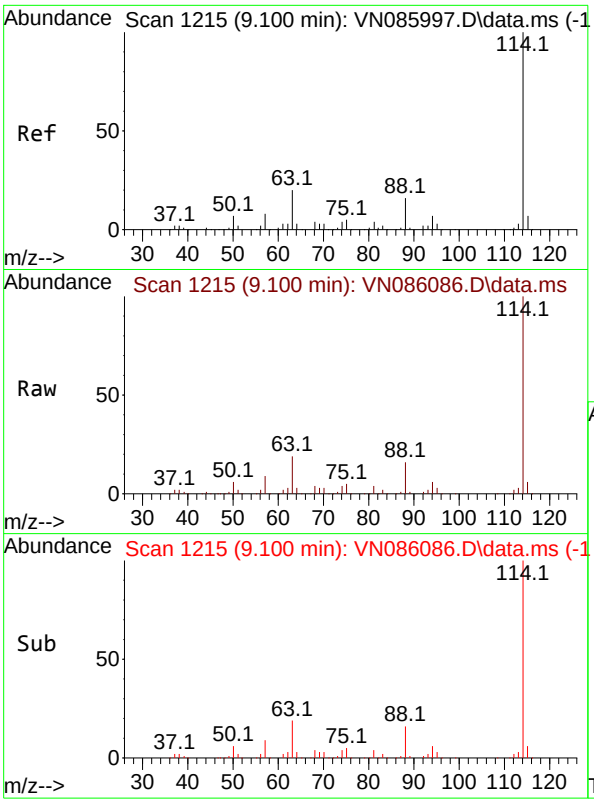


#33
1,2-Dichloroethane-d4
Concen: 51.618 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086086.D
Acq: 24 Mar 2025 20:50

Tgt Ion: 65 Resp: 178605

Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	102.2



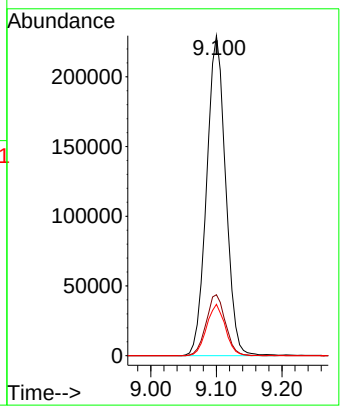


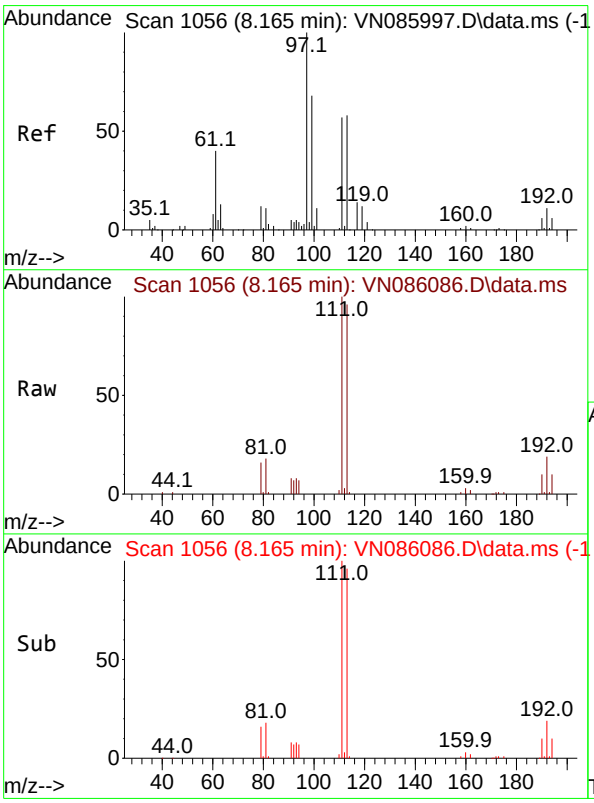
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086086.D
Acq: 24 Mar 2025 20:50

Instrument :
MSVOA_N
ClientSampleId :
MW1

Tgt Ion:114 Resp: 462481

Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	39.6
88	16.0	0.0	32.6

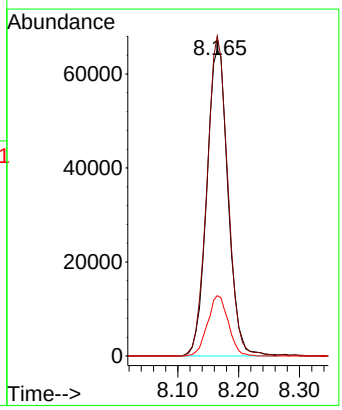


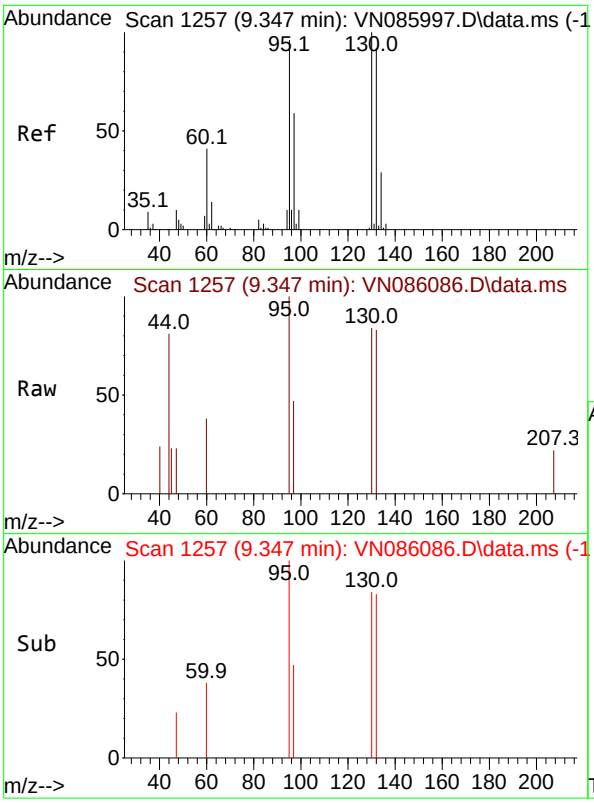


#35
Dibromofluoromethane
Concen: 49.121 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086086.D
Acq: 24 Mar 2025 20:50

Tgt Ion:113 Resp: 158567

Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.8	122.8
192	19.1	15.9	23.9



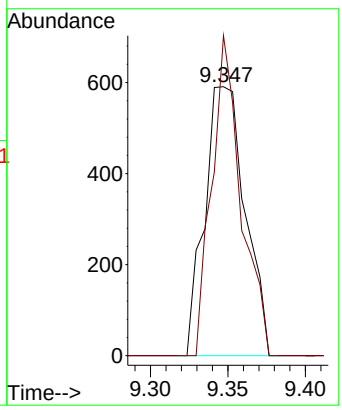


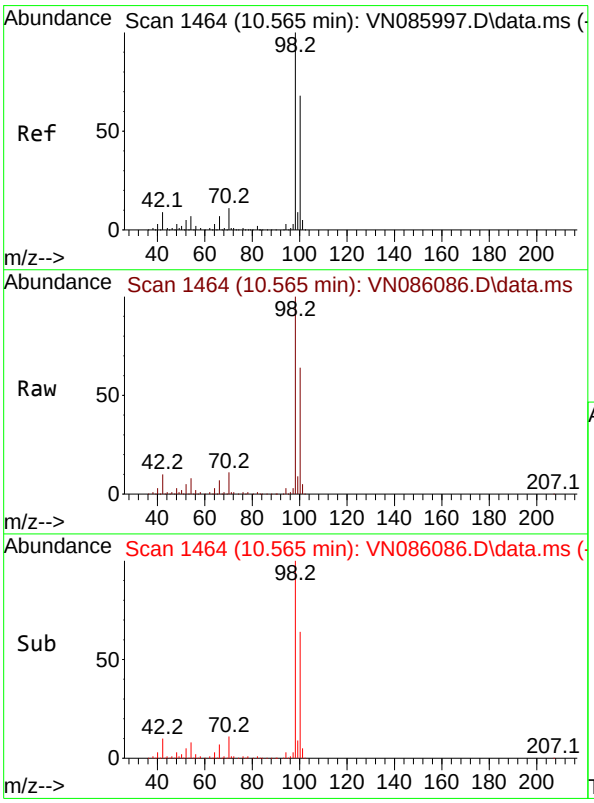
#44
Trichloroethene
Concen: 0.311 ug/l
RT: 9.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086086.D
Acq: 24 Mar 2025 20:50

Instrument :
MSVOA_N
ClientSampleId :
MW1

Tgt Ion:130 Resp: 1076

Ion	Ratio	Lower	Upper
130	100		
95	119.0	0.0	191.6

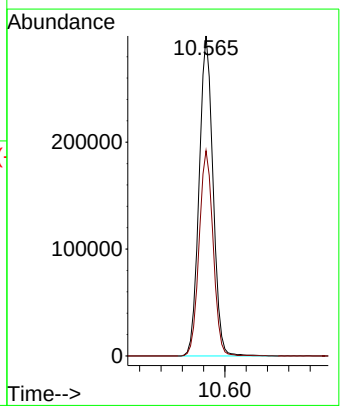


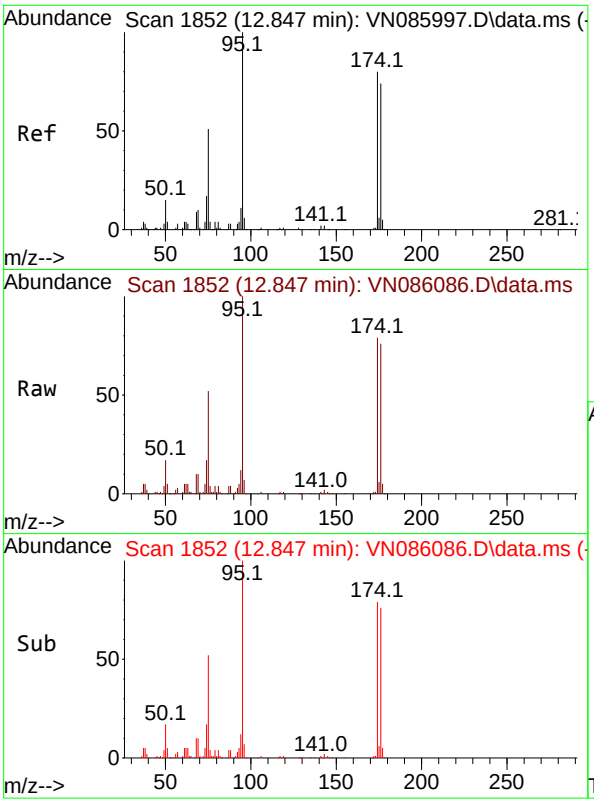


#50
Toluene-d8
Concen: 46.176 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086086.D
Acq: 24 Mar 2025 20:50

Tgt Ion: 98 Resp: 540982

Ion	Ratio	Lower	Upper
98	100		
100	64.5	53.1	79.7



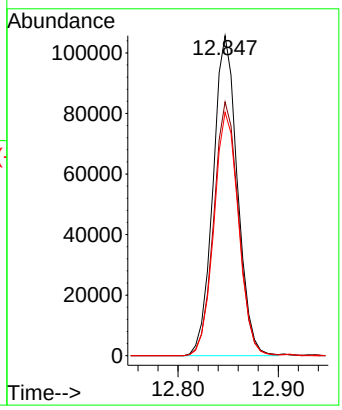


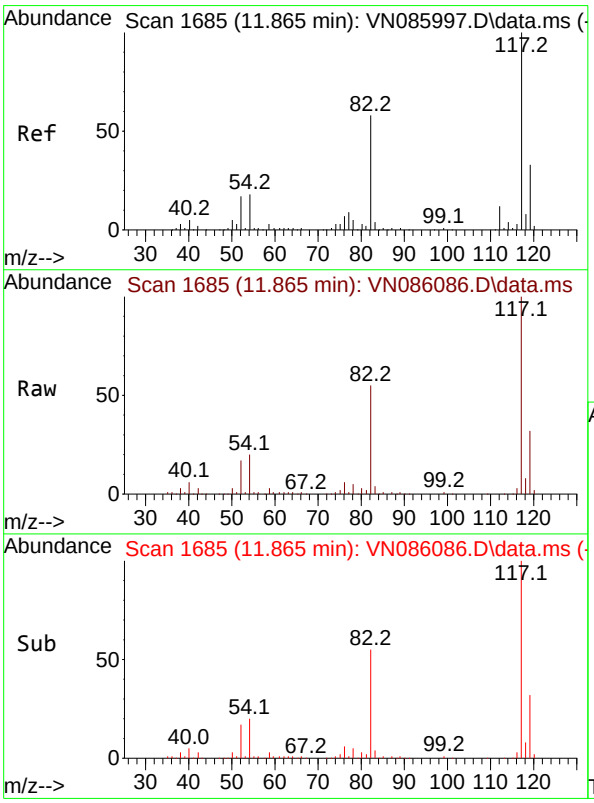
#62
4-Bromofluorobenzene
Concen: 42.646 ug/l
RT: 12.847 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086086.D
Acq: 24 Mar 2025 20:50

Instrument :
MSVOA_N
ClientSampleId :
MW1

Tgt Ion: 95 Resp: 178180

Ion	Ratio	Lower	Upper
95	100		
174	80.8	0.0	156.8
176	76.9	0.0	152.2

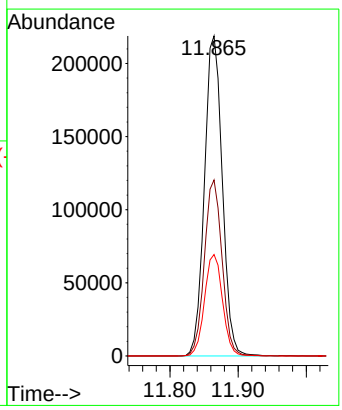


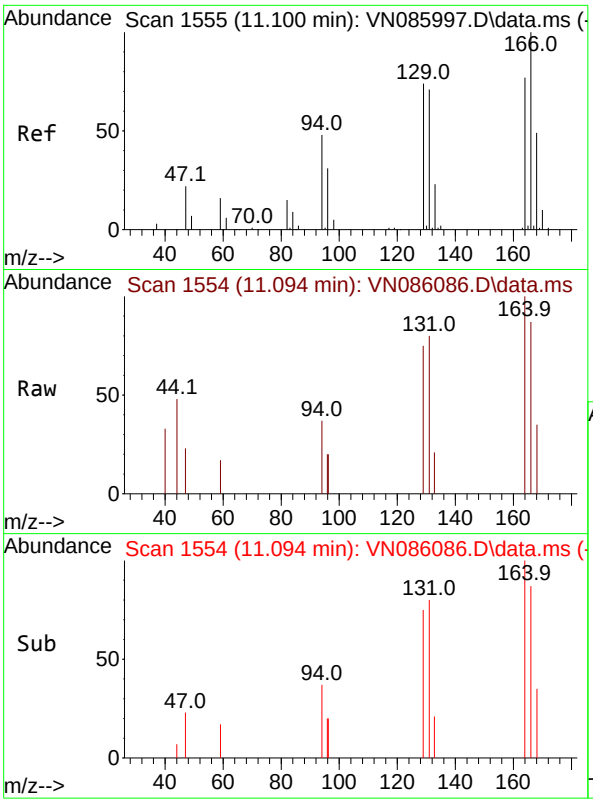


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086086.D
Acq: 24 Mar 2025 20:50

Tgt Ion:117 Resp: 398785

Ion	Ratio	Lower	Upper
117	100		
82	55.0	46.7	70.1
119	31.7	26.5	39.7



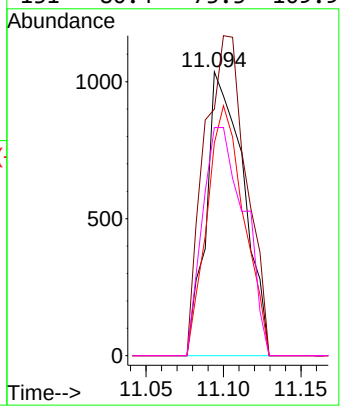


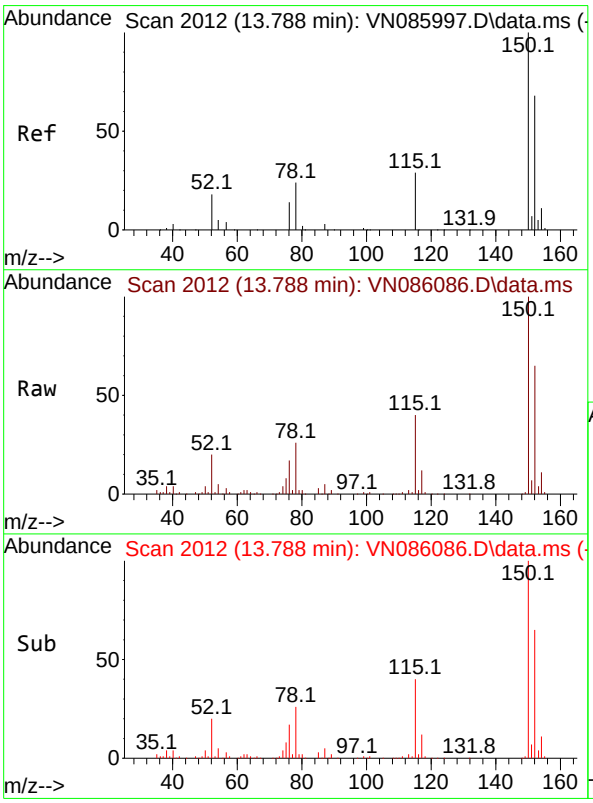
#64
Tetrachloroethene
Concen: 0.544 ug/l
RT: 11.094 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086086.D
Acq: 24 Mar 2025 20:50

Instrument :
MSVOA_N
ClientSampleId :
MW1

Tgt Ion:164 Resp: 1731

Ion	Ratio	Lower	Upper
164	100		
166	86.9	103.7	155.5#
129	75.0	77.1	115.7#
131	80.4	73.3	109.9

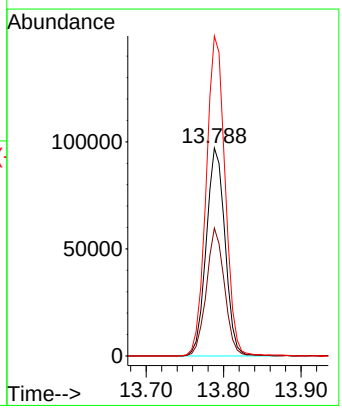




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086086.D
Acq: 24 Mar 2025 20:50

Tgt Ion:152 Resp: 163397

Ion	Ratio	Lower	Upper
152	100		
115	59.4	31.1	93.2
150	155.4	0.0	359.6



Sample Results: **VN086086.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032425\
Data File : VN086086.D
Acq On : 24 Mar 2025 20:50
Operator : JC\MD
Sample : Q1622-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Title : SW846 8260

Signal : TIC: VN086086.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.165	1046	1056	1061	rBV	215886	530468	38.27%	7.283%
2	8.224	1061	1066	1080	rVB	334321	737285	53.19%	10.122%
3	8.577	1116	1126	1135	rBV	212636	487492	35.17%	6.693%
4	8.788	1155	1162	1180	rVB3	23780	91219	6.58%	1.252%
5	9.100	1205	1215	1228	rBV	517628	1048990	75.68%	14.401%
6	10.565	1455	1464	1477	rBV	763666	1386105	100.00%	19.030%
7	11.865	1676	1685	1700	rBV	649579	1181062	85.21%	16.215%
8	12.847	1845	1852	1865	rBV	514497	865917	62.47%	11.888%
9	13.788	2000	2012	2025	rBV	574842	955369	68.92%	13.116%

Sum of corrected areas: 7283907

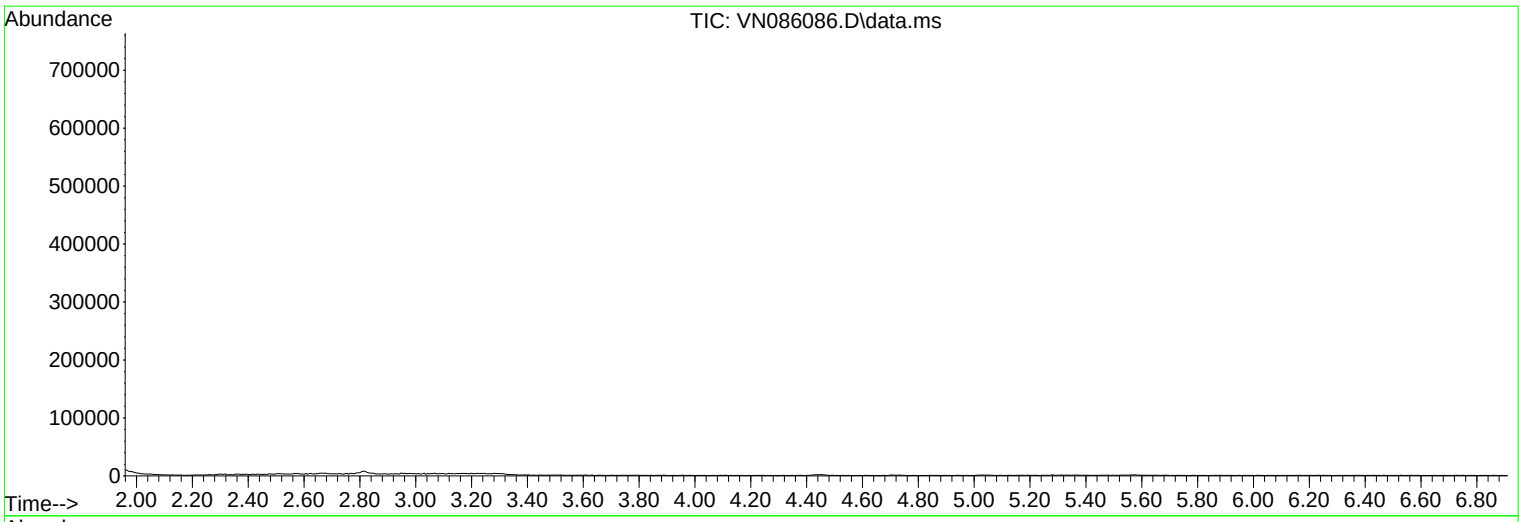
Sample Results: **VN086086.D**

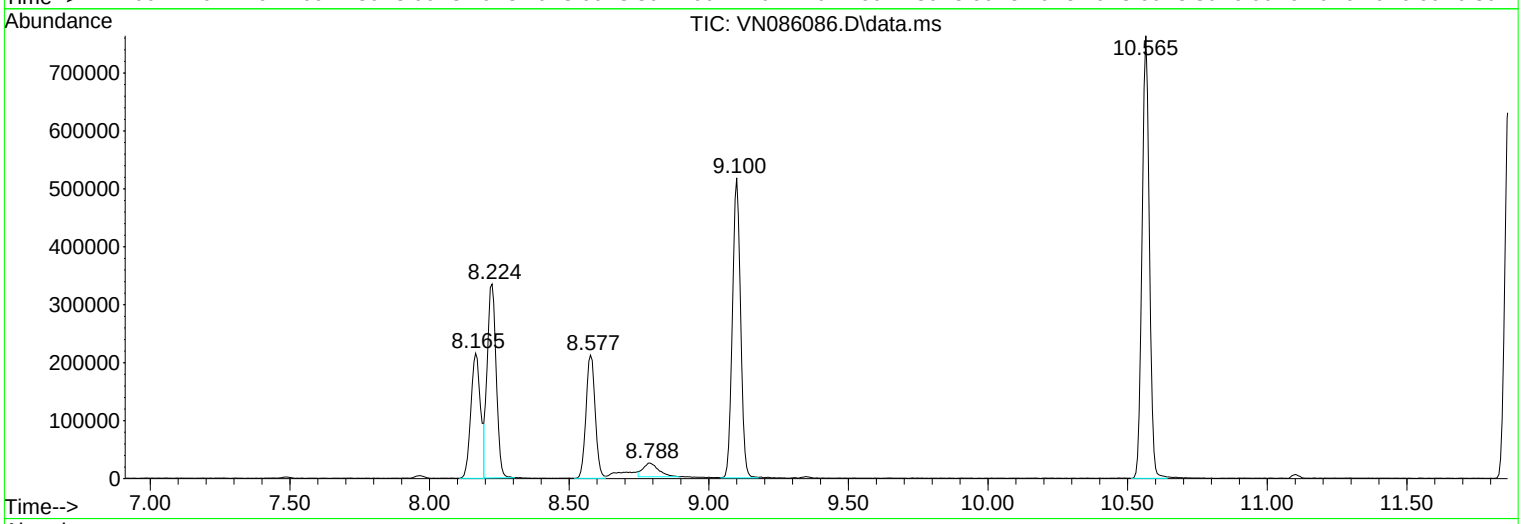
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032425\
Data File : VN086086.D
Acq On : 24 Mar 2025 20:50
Operator : JC\MD
Sample : Q1622-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

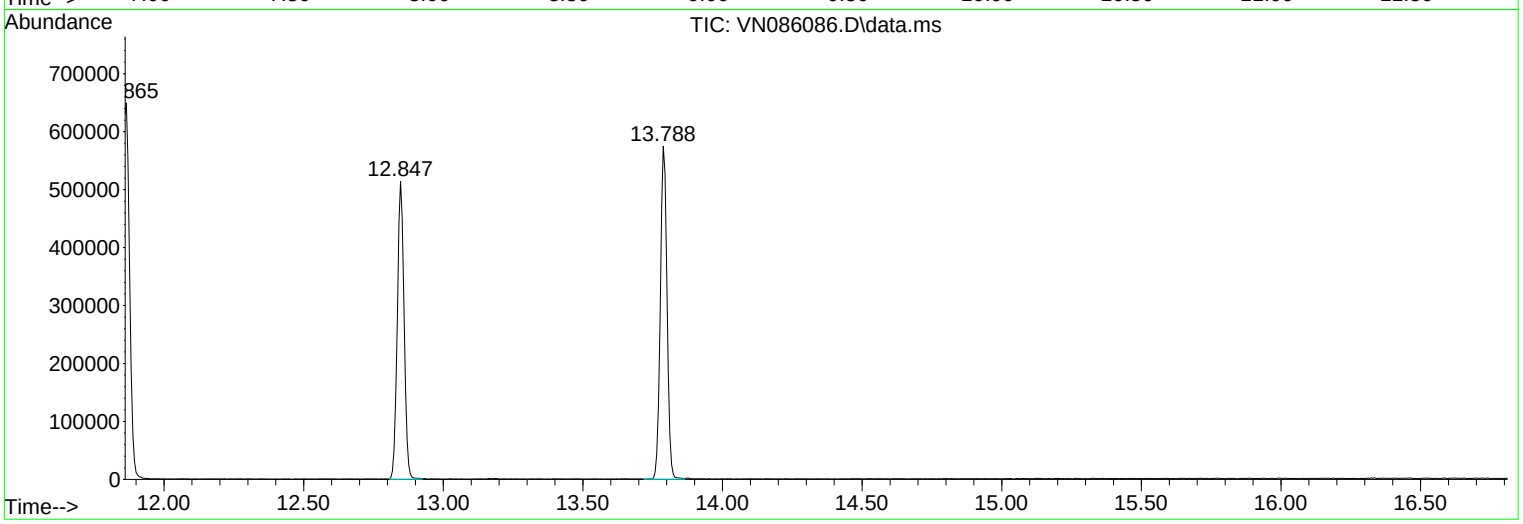
Instrument :
MSVOA_N
ClientSampleId :
MW1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Library Search Compound Report

Sample Results: **VN086086.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032425\
Data File : VN086086.D
Acq On : 24 Mar 2025 20:50
Operator : JC\MD
Sample : Q1622-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

A
B
C
D
E
F
G
H
I
J

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032425\
Data File : VN086086.D
Acq On : 24 Mar 2025 20:50
Operator : JC\MD
Sample : Q1622-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032425\
Data File : VN086087.D
Acq On : 24 Mar 2025 21:14
Operator : JC\MD
Sample : Q1622-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW3

Quant Time: Mar 25 01:33:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

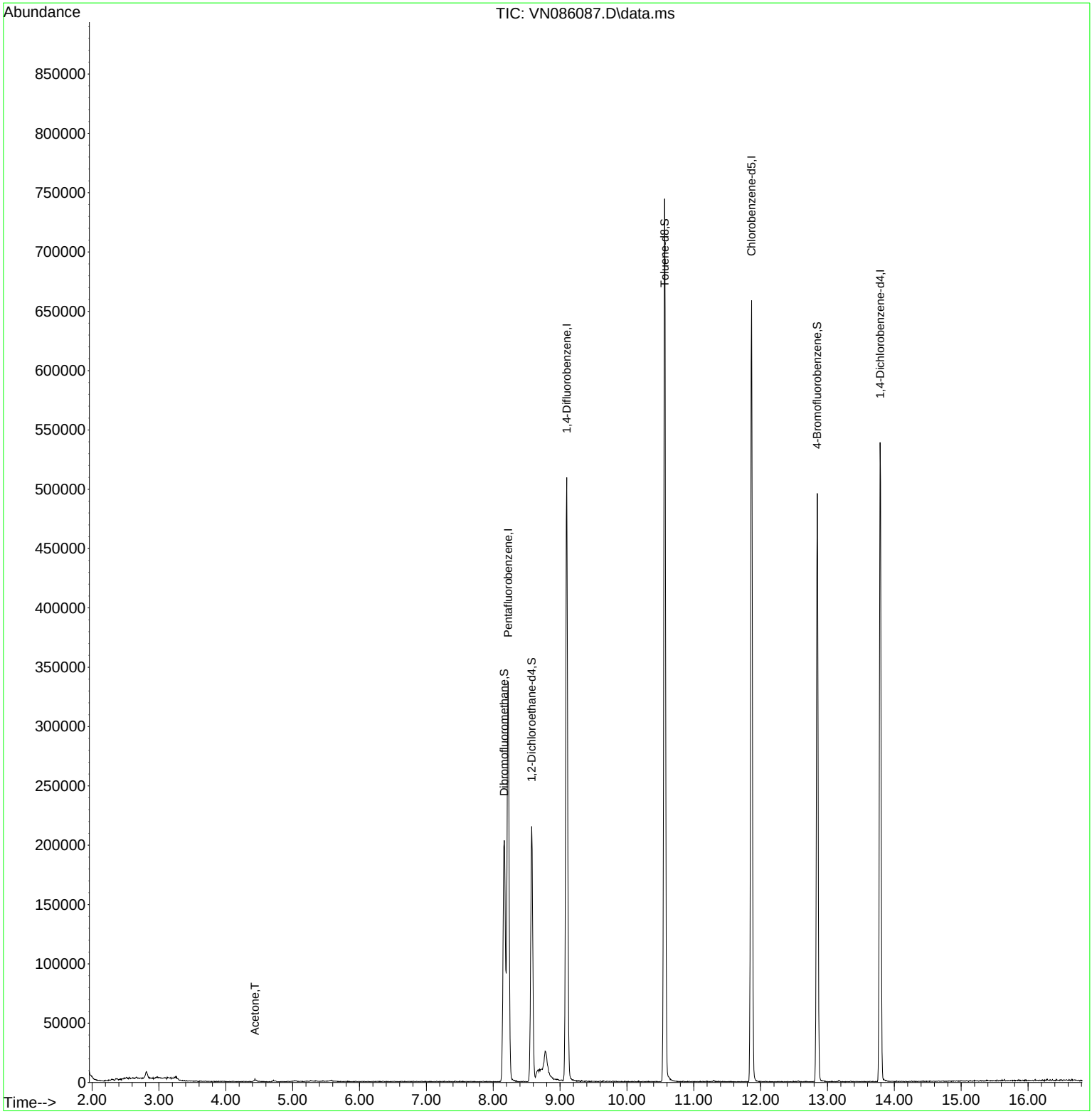
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	243235	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	452406	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	398702	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	157433	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	173567	52.111	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.220%			
35) Dibromofluoromethane	8.165	113	153852	48.722	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.440%			
50) Toluene-d8	10.565	98	532835	46.494	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 92.980%			
62) 4-Bromofluorobenzene	12.847	95	177536	43.438	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 86.880%			
Target Compounds						Qvalue
16) Acetone	4.436	43	3370	3.312	ug/l	92

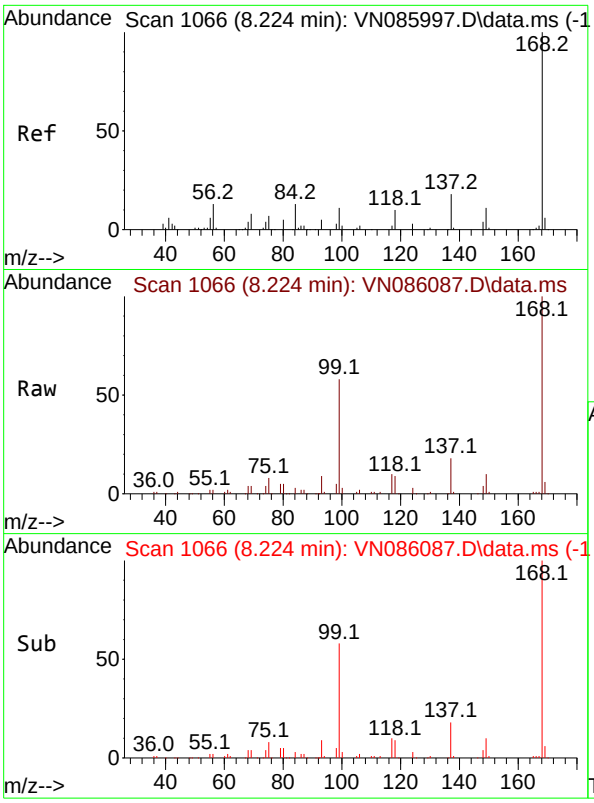
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032425\
Data File : VN086087.D
Acq On : 24 Mar 2025 21:14
Operator : JC\MD
Sample : Q1622-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW3

Quant Time: Mar 25 01:33:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration



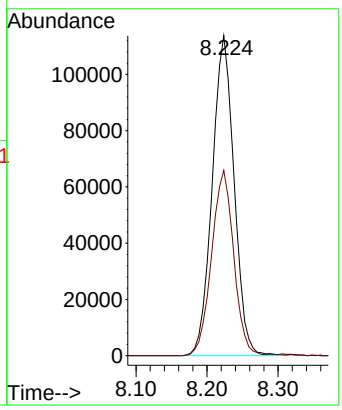


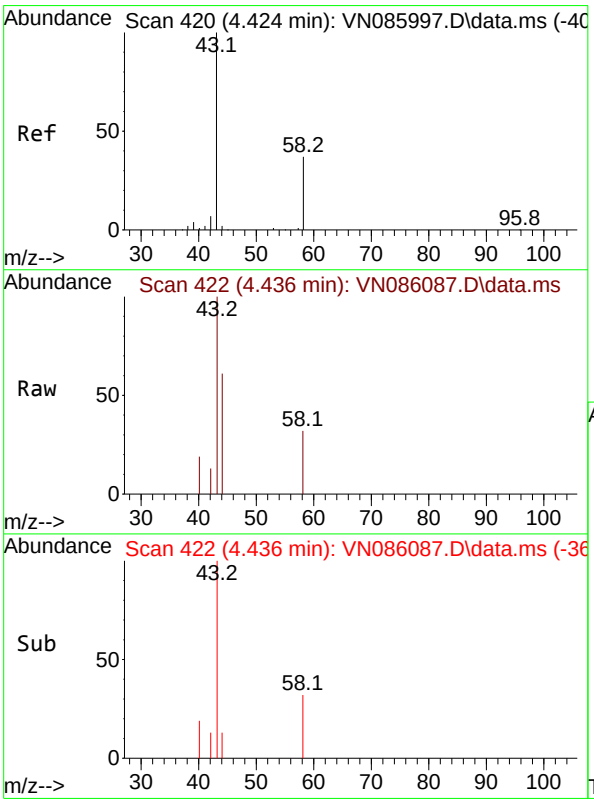
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086087.D
Acq: 24 Mar 2025 21:14

Instrument :
MSVOA_N
ClientSampleId :
MW3

Tgt Ion:168 Resp: 243235

Ion	Ratio	Lower	Upper
168	100		
99	57.9	49.4	74.2

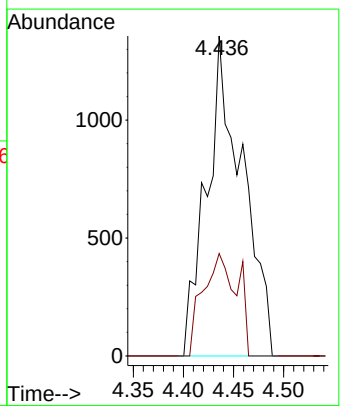


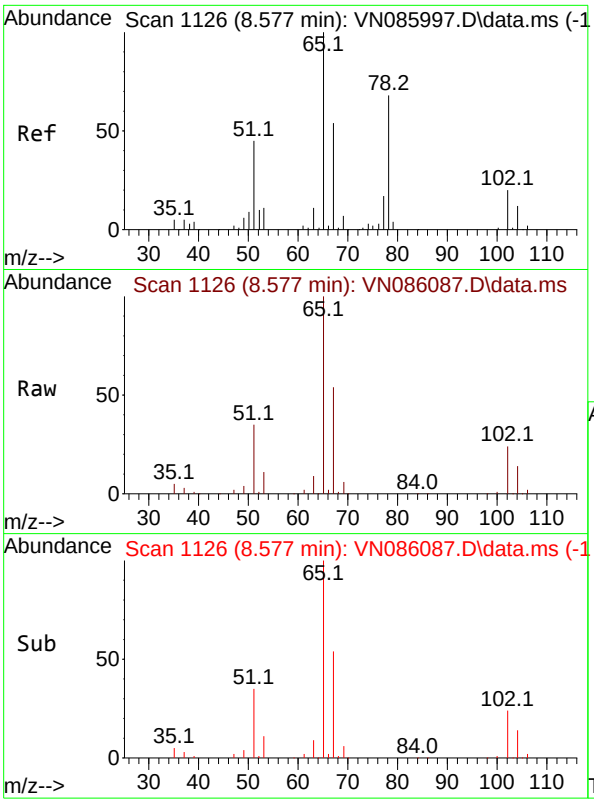


#16
Acetone
Concen: 3.312 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN086087.D
Acq: 24 Mar 2025 21:14

Tgt Ion: 43 Resp: 3370

Ion	Ratio	Lower	Upper
43	100		
58	32.0	29.4	44.2



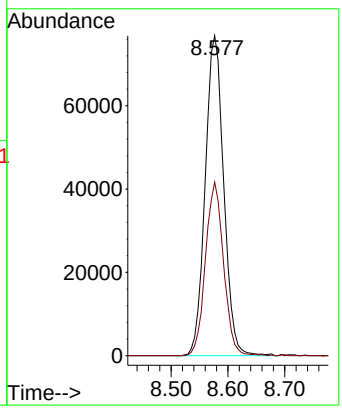


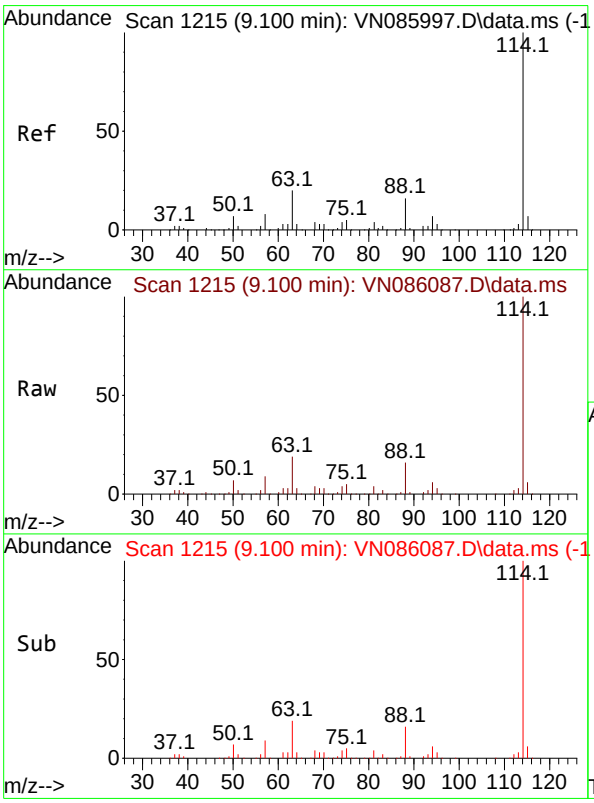
#33
1,2-Dichloroethane-d4
Concen: 52.111 ug/l
RT: 8.577 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086087.D
Acq: 24 Mar 2025 21:14

Instrument :
MSVOA_N
ClientSampleId :
MW3

Tgt Ion: 65 Resp: 173567

Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	102.2

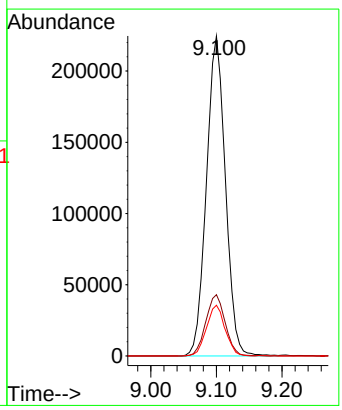


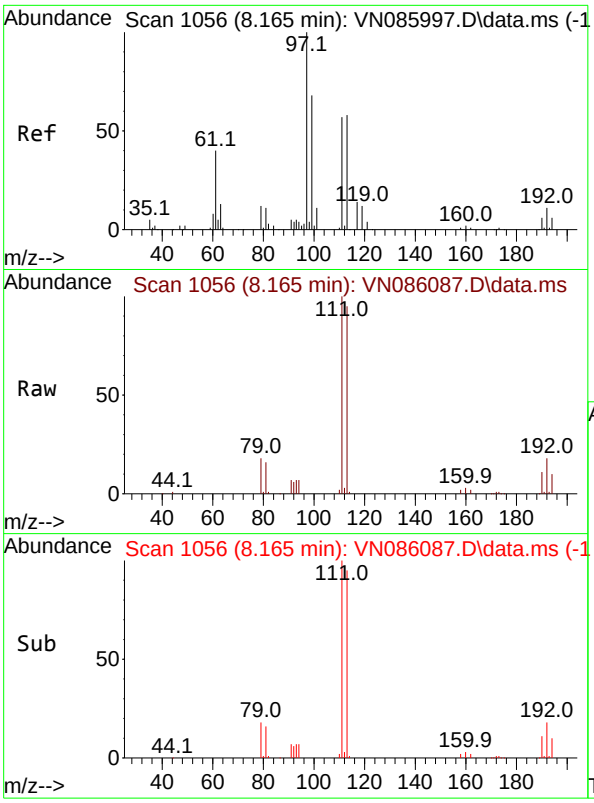


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN086087.D
Acq: 24 Mar 2025 21:14

Tgt Ion:114 Resp: 452406

Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	39.6
88	15.9	0.0	32.6



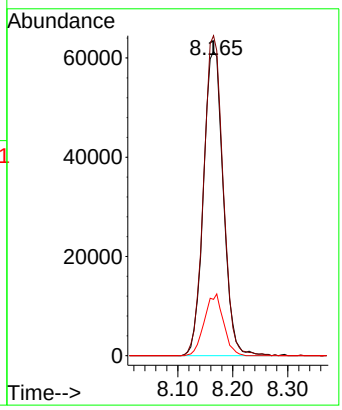


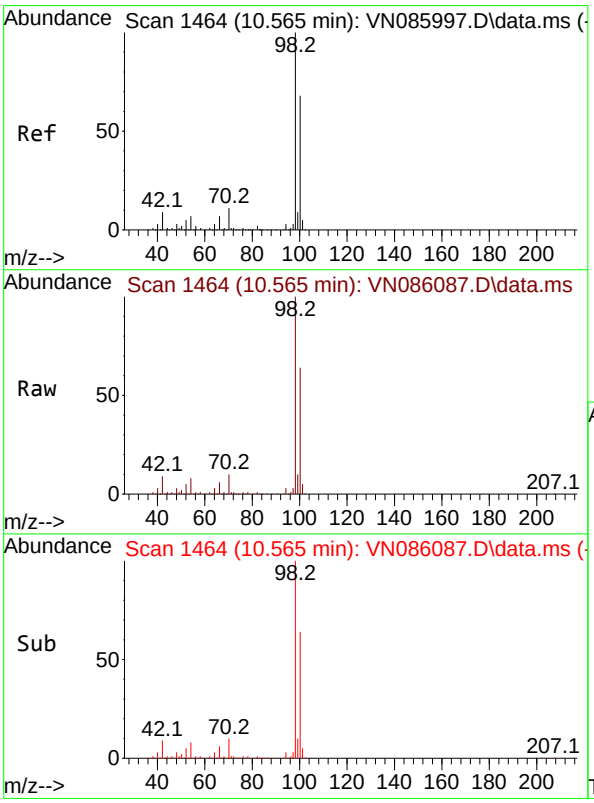
#35
Dibromofluoromethane
Concen: 48.722 ug/l
RT: 8.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086087.D
Acq: 24 Mar 2025 21:14

Instrument :
MSVOA_N
ClientSampleId :
MW3

Tgt Ion:113 Resp: 153852

Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.8	122.8
192	19.6	15.9	23.9

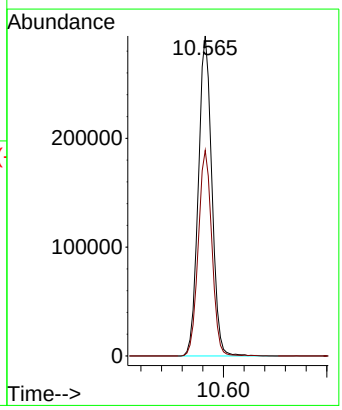


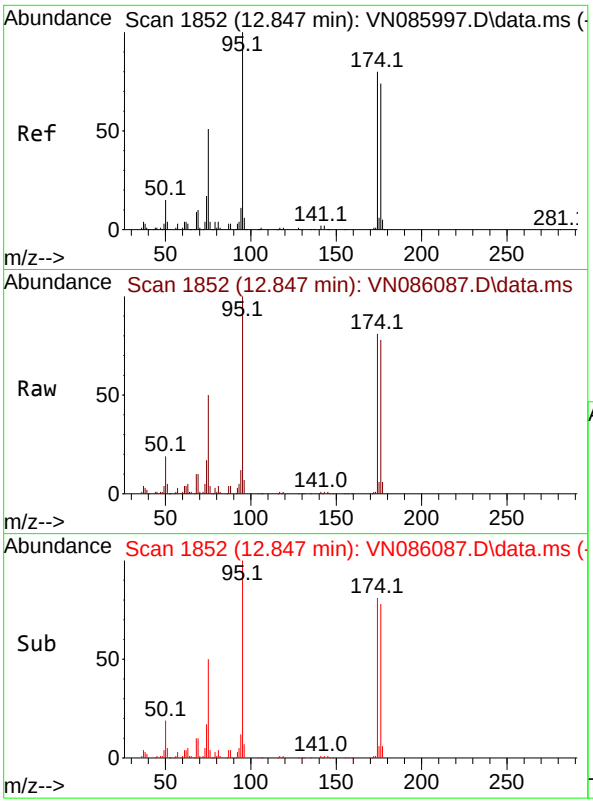


#50
Toluene-d8
Concen: 46.494 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086087.D
Acq: 24 Mar 2025 21:14

Tgt Ion: 98 Resp: 532835

Ion	Ratio	Lower	Upper
98	100		
100	64.5	53.1	79.7



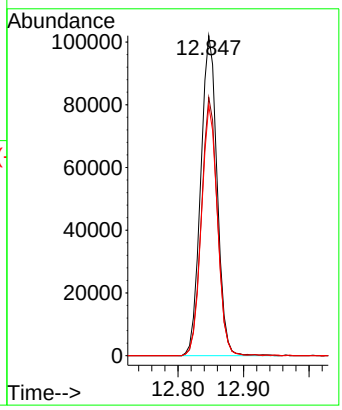


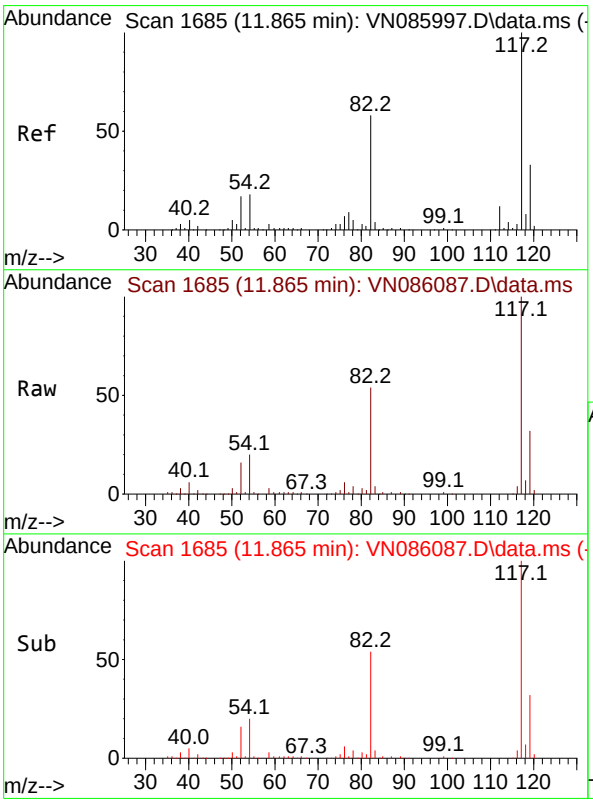
#62
4-Bromofluorobenzene
Concen: 43.438 ug/l
RT: 12.847 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086087.D
Acq: 24 Mar 2025 21:14

Instrument :
MSVOA_N
ClientSampleId :
MW3

Tgt Ion: 95 Resp: 177536

Ion	Ratio	Lower	Upper
95	100		
174	78.7	0.0	156.8
176	76.4	0.0	152.2

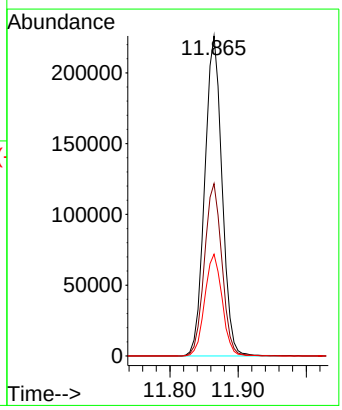


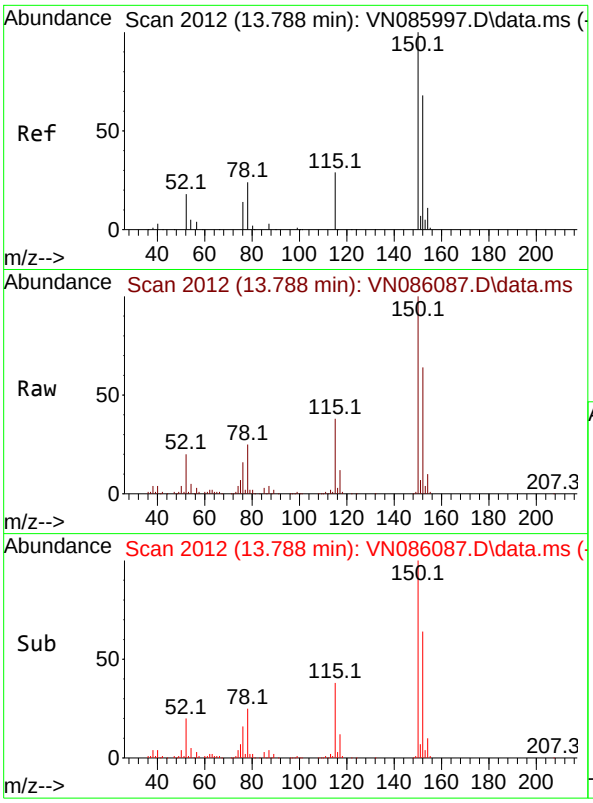


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086087.D
Acq: 24 Mar 2025 21:14

Tgt Ion:117 Resp: 398702

Ion	Ratio	Lower	Upper
117	100		
82	53.9	46.7	70.1
119	31.8	26.5	39.7



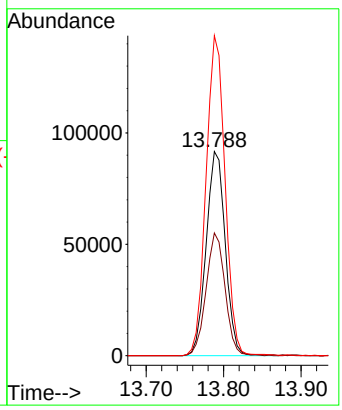


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086087.D
Acq: 24 Mar 2025 21:14

Instrument :
MSVOA_N
ClientSampleId :
MW3

Tgt Ion:152 Resp: 157433

Ion	Ratio	Lower	Upper
152	100		
115	59.7	31.1	93.2
150	155.6	0.0	359.6



Sample Results: **VN086087.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032425\
Data File : VN086087.D
Acq On : 24 Mar 2025 21:14
Operator : JC\MD
Sample : Q1622-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW3

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Title : SW846 8260

Signal : TIC: VN086087.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.812	138	146	153	rVB2	5962	14276	1.05%	0.200%
2	8.165	1045	1056	1061	rBV2	203475	519609	38.30%	7.265%
3	8.224	1061	1066	1076	rVB	335843	707381	52.14%	9.890%
4	8.577	1115	1126	1135	rBV	215191	474632	34.98%	6.636%
5	8.671	1135	1142	1144	rBV2	6519	14523	1.07%	0.203%
6	8.777	1153	1160	1182	rVB3	23951	100456	7.40%	1.404%
7	9.100	1205	1215	1225	rBV	508636	1027109	75.70%	14.360%
8	10.565	1456	1464	1476	rBV	743650	1356786	100.00%	18.969%
9	11.865	1677	1685	1697	rBV	658511	1173551	86.49%	16.407%
10	12.847	1845	1852	1861	rBV	495877	847537	62.47%	11.849%
11	13.788	2005	2012	2020	rBV	538798	916760	67.57%	12.817%

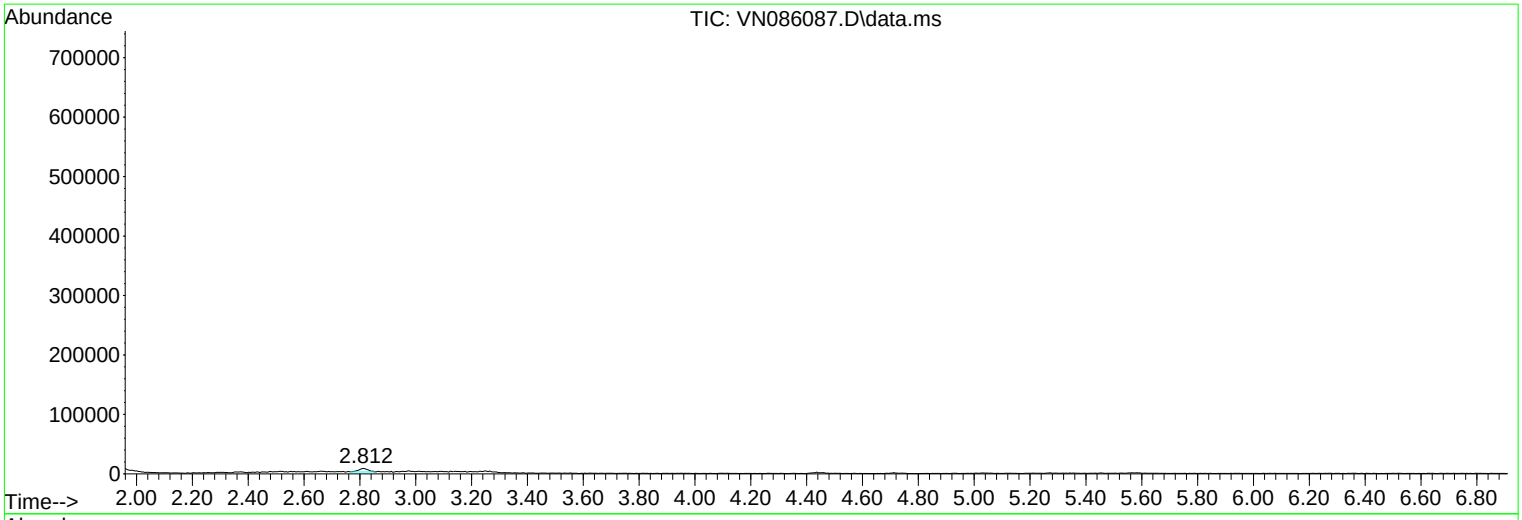
Sum of corrected areas: 7152620

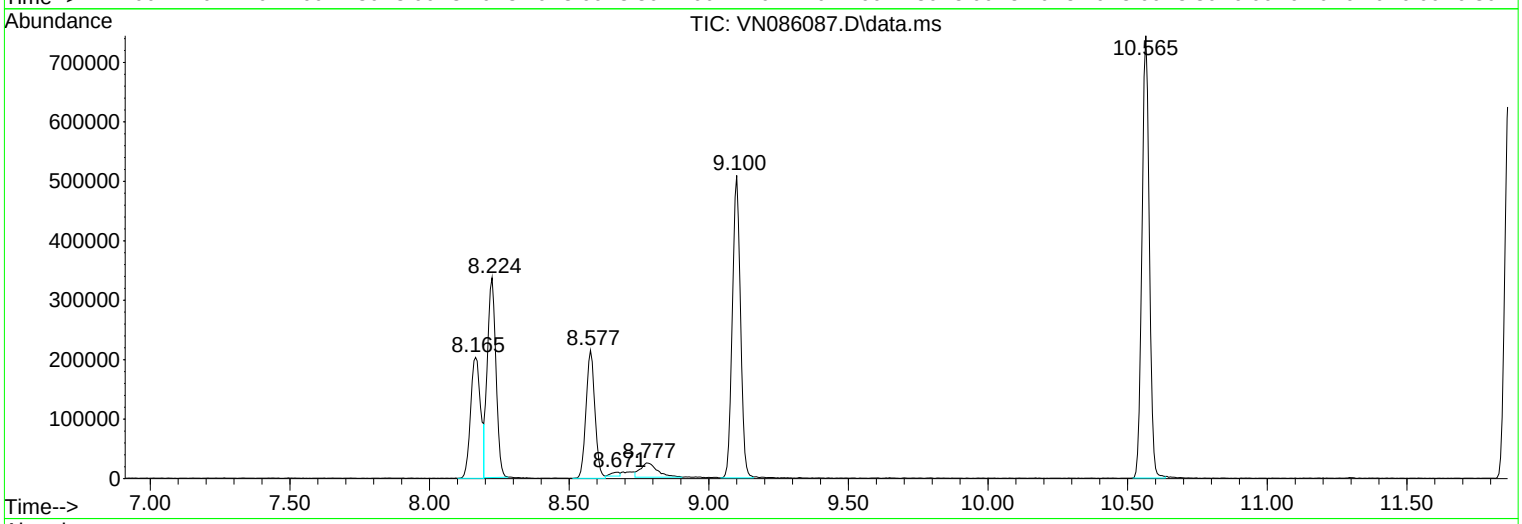
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032425\
Data File : VN086087.D
Acq On : 24 Mar 2025 21:14
Operator : JC\MD
Sample : Q1622-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

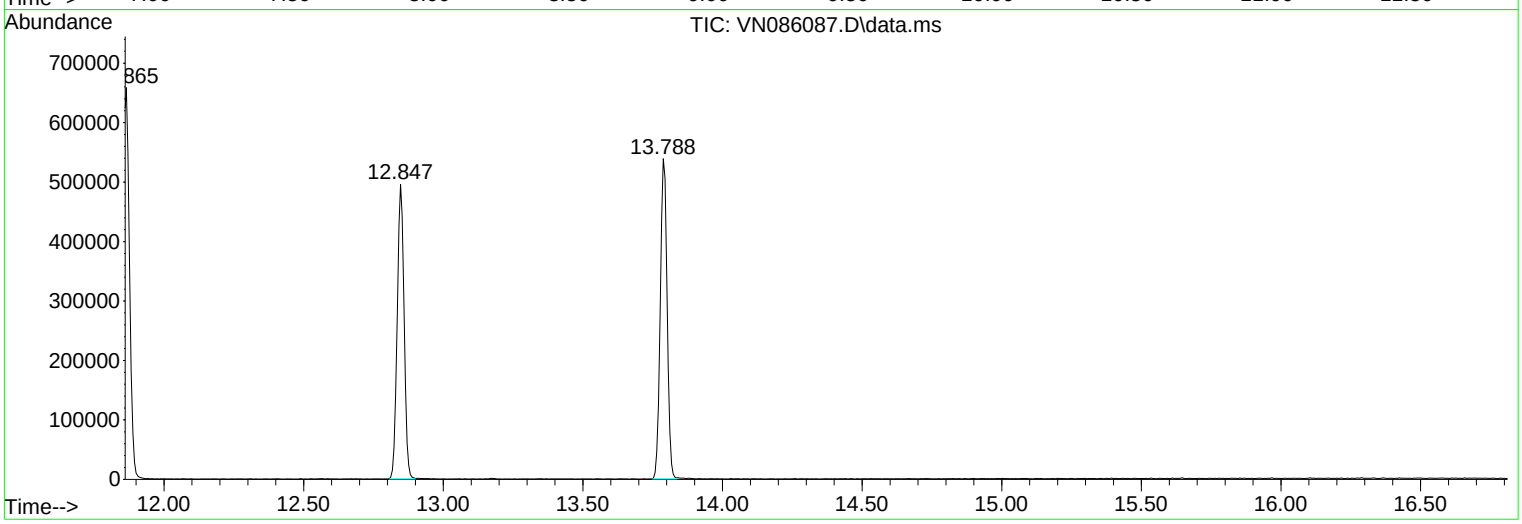
Instrument :
MSVOA_N
ClientSampleId :
MW3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032425\
Data File : VN086087.D
Acq On : 24 Mar 2025 21:14
Operator : JC\MD
Sample : Q1622-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032425\
Data File : VN086087.D
Acq On : 24 Mar 2025 21:14
Operator : JC\MD
Sample : Q1622-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032425\
Data File : VN086085.D
Acq On : 24 Mar 2025 20:26
Operator : JC\MD
Sample : Q1622-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
Field-Blank

Quant Time: Mar 25 01:32:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

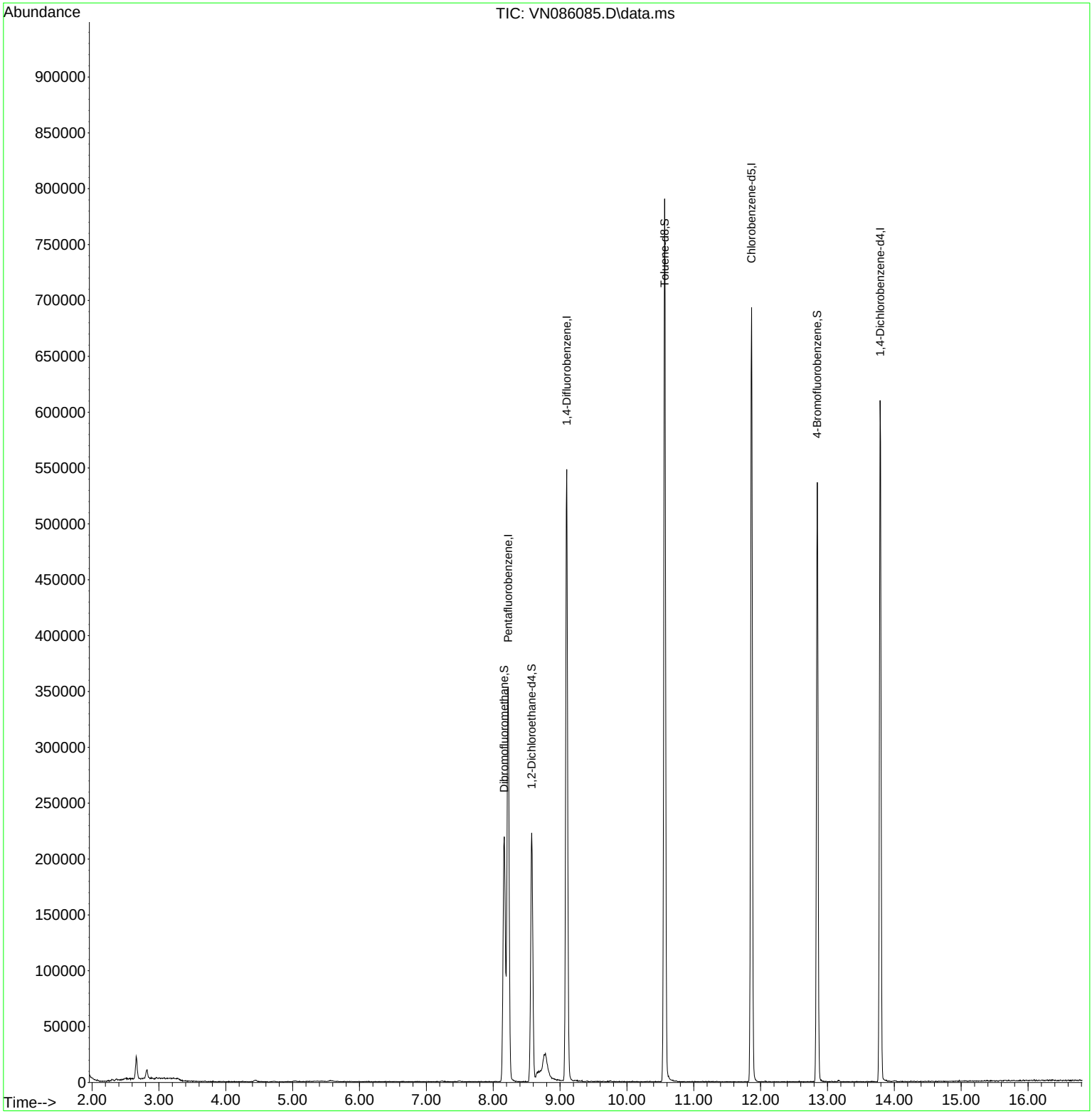
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	262167	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	483807	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	422031	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	173343	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	184906	51.506	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.020%			
35) Dibromofluoromethane	8.165	113	163860	48.524	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.040%			
50) Toluene-d8	10.565	98	562711	45.914	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 91.820%			
62) 4-Bromofluorobenzene	12.847	95	187763	42.958	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 85.920%			
Target Compounds						Qvalue

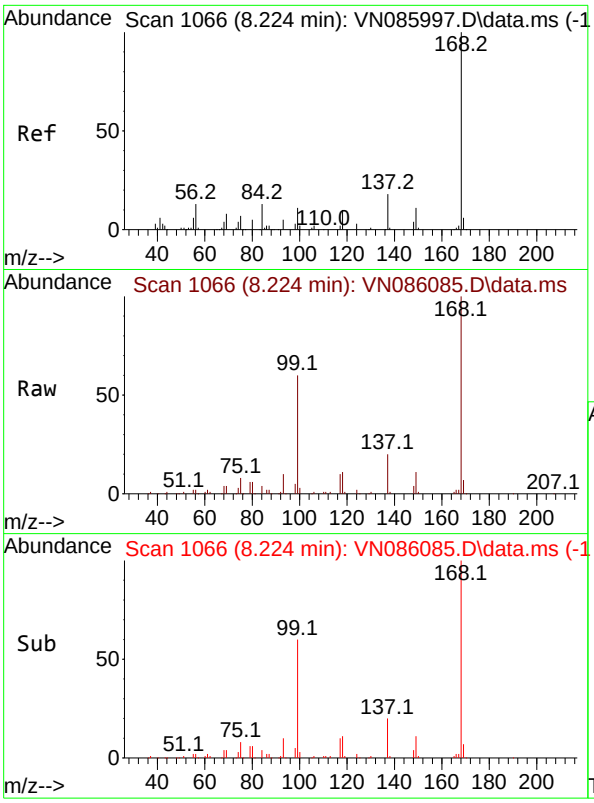
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032425\
Data File : VN086085.D
Acq On : 24 Mar 2025 20:26
Operator : JC\MD
Sample : Q1622-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
Field-Blank

Quant Time: Mar 25 01:32:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration



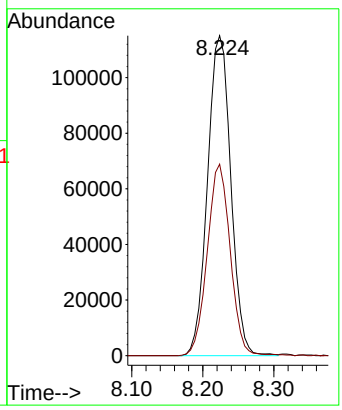


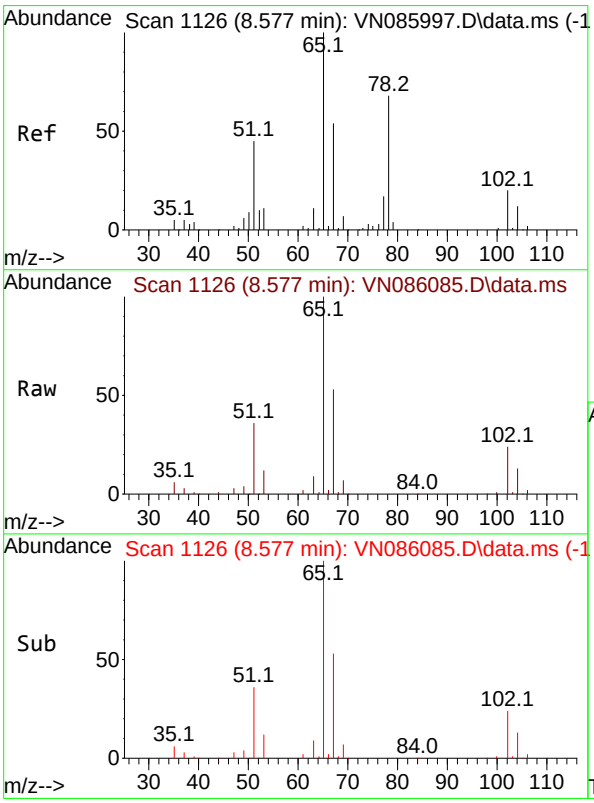
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086085.D
Acq: 24 Mar 2025 20:26

Instrument :
MSVOA_N
ClientSampleId :
Field-Blank

Tgt Ion:168 Resp: 262167

Ion	Ratio	Lower	Upper
168	100		
99	59.9	49.4	74.2

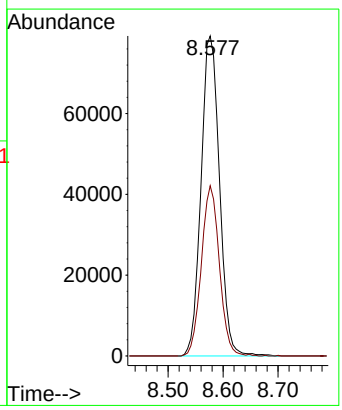


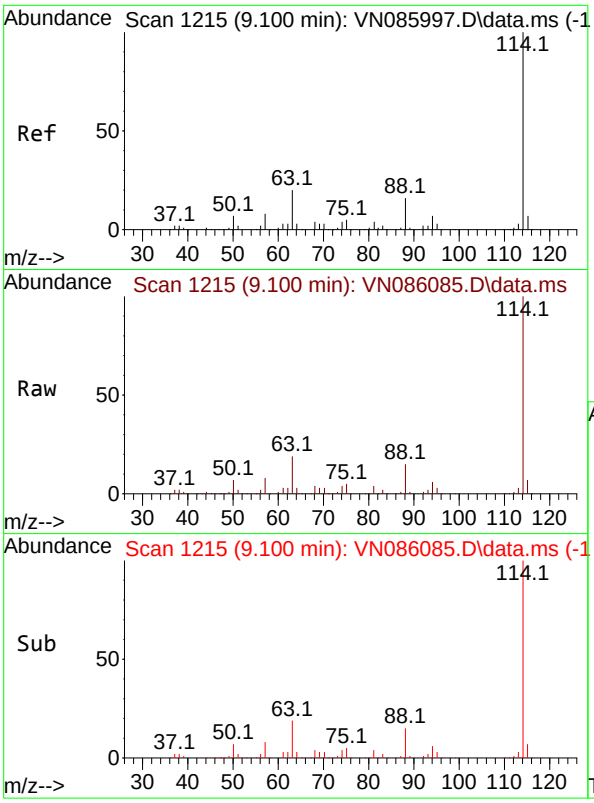


#33
1,2-Dichloroethane-d4
Concen: 51.506 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086085.D
Acq: 24 Mar 2025 20:26

Tgt Ion: 65 Resp: 184906

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	102.2



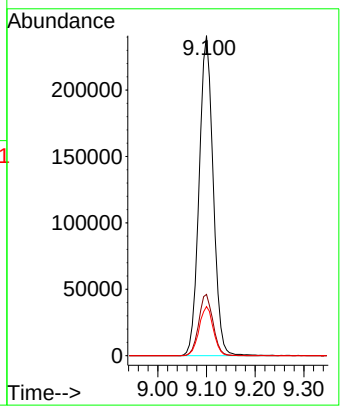


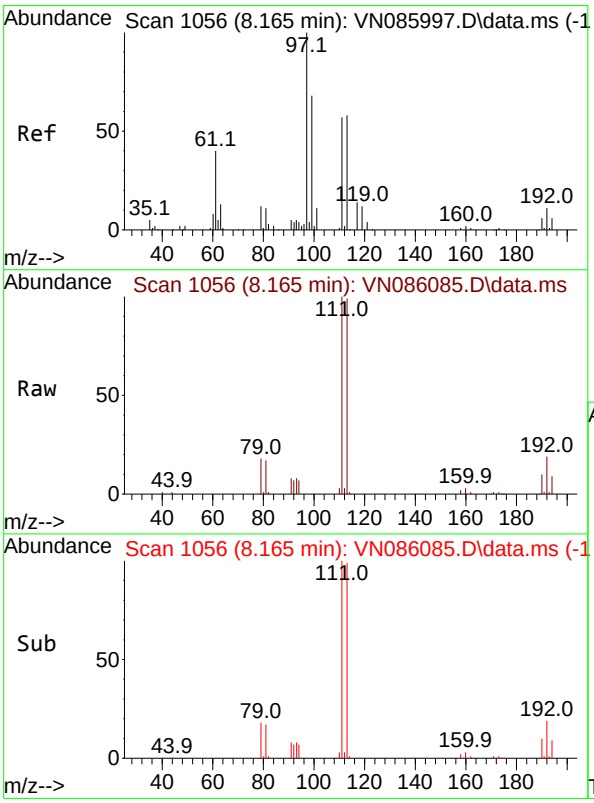
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086085.D
Acq: 24 Mar 2025 20:26

Instrument :
MSVOA_N
ClientSampleId :
Field-Blank

Tgt Ion:114 Resp: 483807

Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	39.6
88	15.3	0.0	32.6

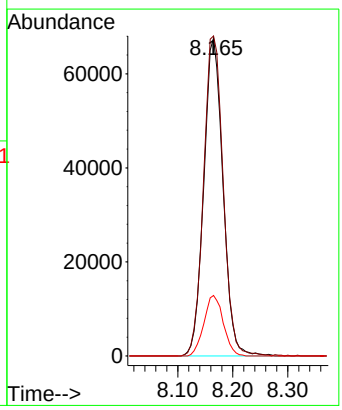


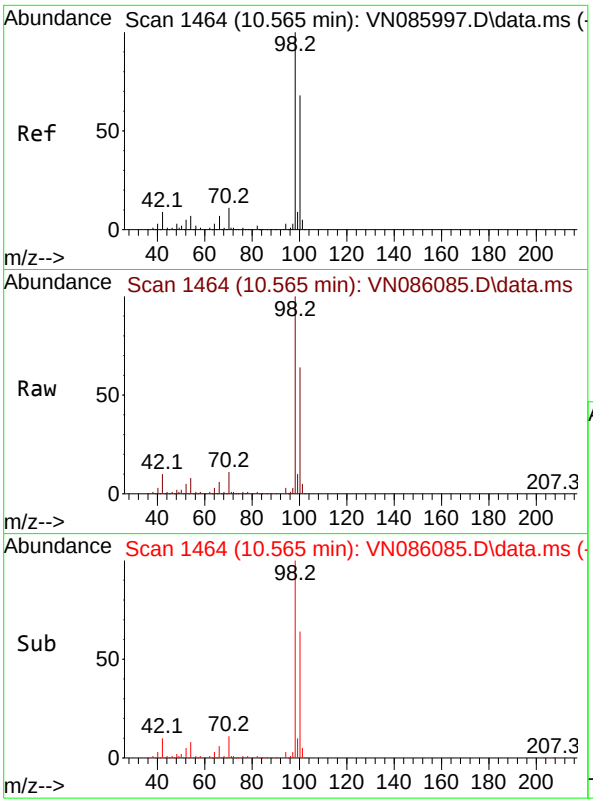


#35
Dibromofluoromethane
Concen: 48.524 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086085.D
Acq: 24 Mar 2025 20:26

Tgt Ion:113 Resp: 163860

Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.8	122.8
192	19.2	15.9	23.9



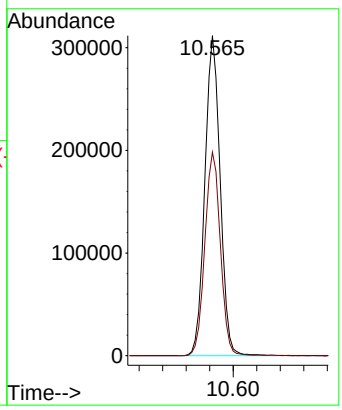


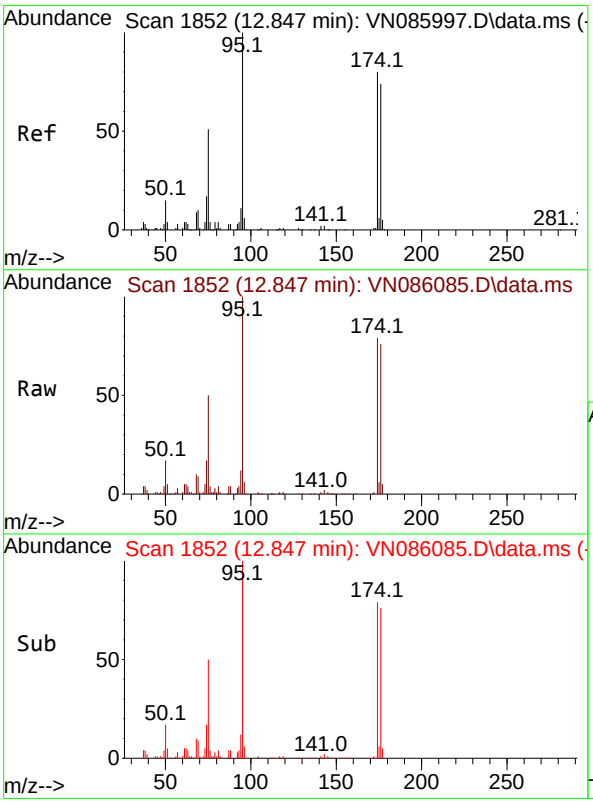
#50
Toluene-d8
Concen: 45.914 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN086085.D
Acq: 24 Mar 2025 20:26

Instrument :
MSVOA_N
ClientSampleId :
Field-Blank

Tgt Ion: 98 Resp: 562711

Ion	Ratio	Lower	Upper
98	100		
100	64.6	53.1	79.7

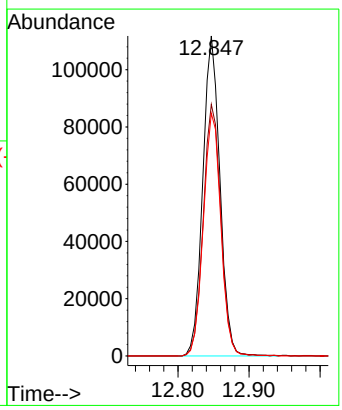


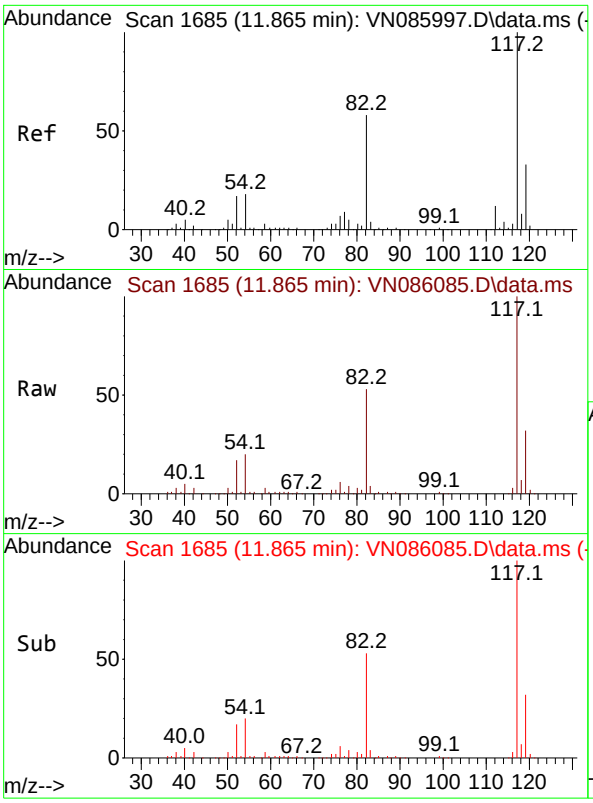


#62
4-Bromofluorobenzene
Concen: 42.958 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086085.D
Acq: 24 Mar 2025 20:26

Tgt Ion: 95 Resp: 187763

Ion	Ratio	Lower	Upper
95	100		
174	81.0	0.0	156.8
176	77.3	0.0	152.2



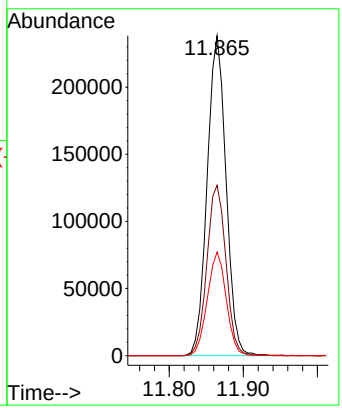


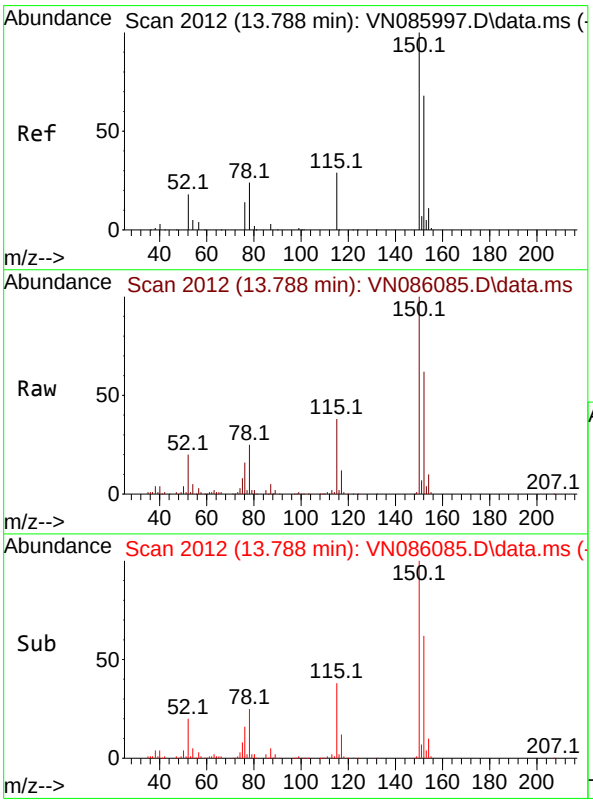
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086085.D
Acq: 24 Mar 2025 20:26

Instrument :
MSVOA_N
ClientSampleId :
Field-Blank

Tgt Ion:117 Resp: 422031

Ion	Ratio	Lower	Upper
117	100		
82	53.3	46.7	70.1
119	32.3	26.5	39.7

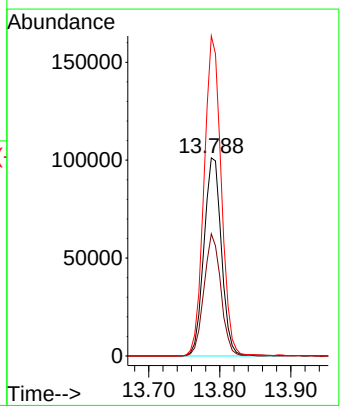




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086085.D
Acq: 24 Mar 2025 20:26

Tgt Ion:152 Resp: 173343

Ion	Ratio	Lower	Upper
152	100		
115	59.5	31.1	93.2
150	158.7	0.0	359.6



Sample Results: **VN086085.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032425\
Data File : VN086085.D
Acq On : 24 Mar 2025 20:26
Operator : JC\MD
Sample : Q1622-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
Field-Blank

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Title : SW846 8260

Signal : TIC: VN086085.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	% max.	% of total
1	2.659	114	120	128	rBV	19981	35277	2.43%	0.464%
2	8.165	1046	1056	1061	rBV2	219130	546788	37.70%	7.198%
3	8.224	1061	1066	1078	rVB	352106	765019	52.75%	10.070%
4	8.577	1117	1126	1135	rBV	222643	503145	34.69%	6.623%
5	8.765	1151	1158	1159	rBV2	13452	23335	1.61%	0.307%
6	9.100	1206	1215	1233	rVB	547367	1096790	75.62%	14.437%
7	10.565	1454	1464	1484	rBV	790385	1450302	100.00%	19.091%
8	11.865	1676	1685	1698	rBV	693240	1242259	85.66%	16.352%
9	12.847	1845	1852	1863	rBV	536531	912073	62.89%	12.006%
10	13.788	2005	2012	2024	rBV	610113	1021860	70.46%	13.451%

Sum of corrected areas: 7596848

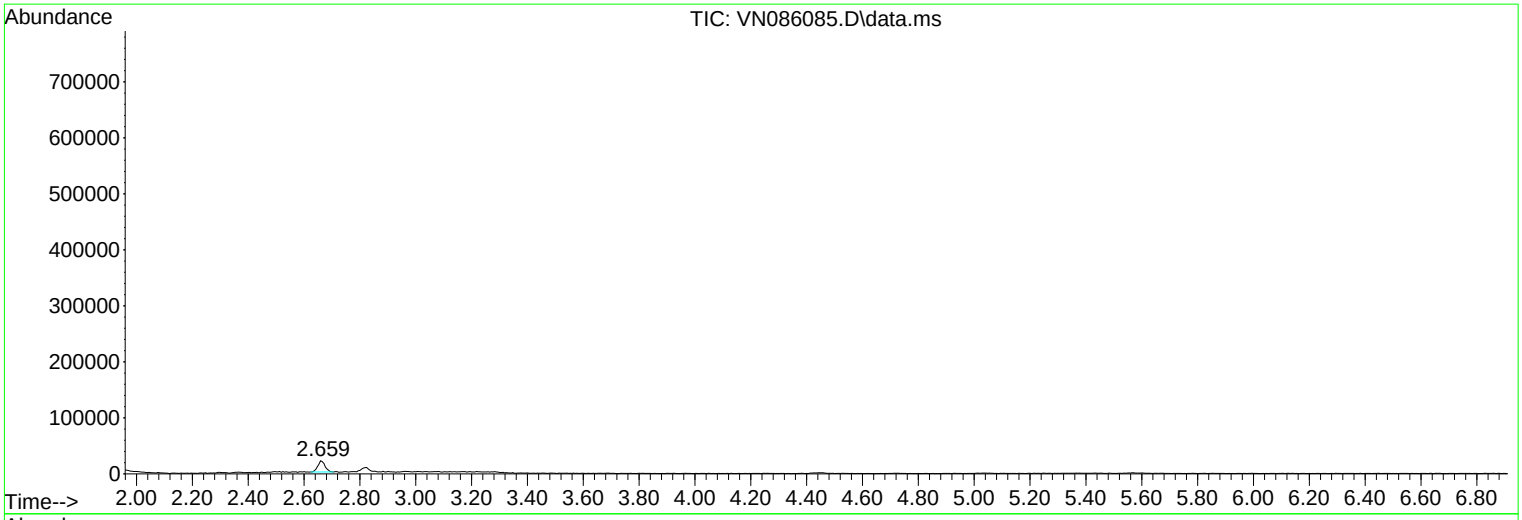
Sample Results: **VN086085.D**

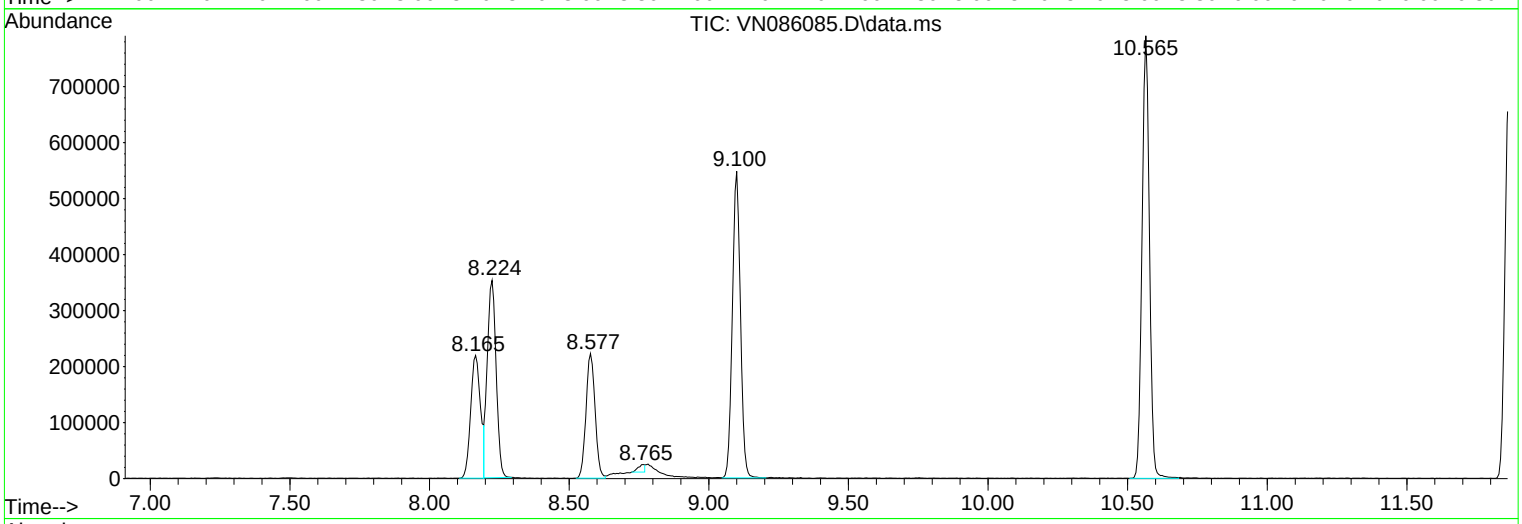
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032425\
Data File : VN086085.D
Acq On : 24 Mar 2025 20:26
Operator : JC\MD
Sample : Q1622-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

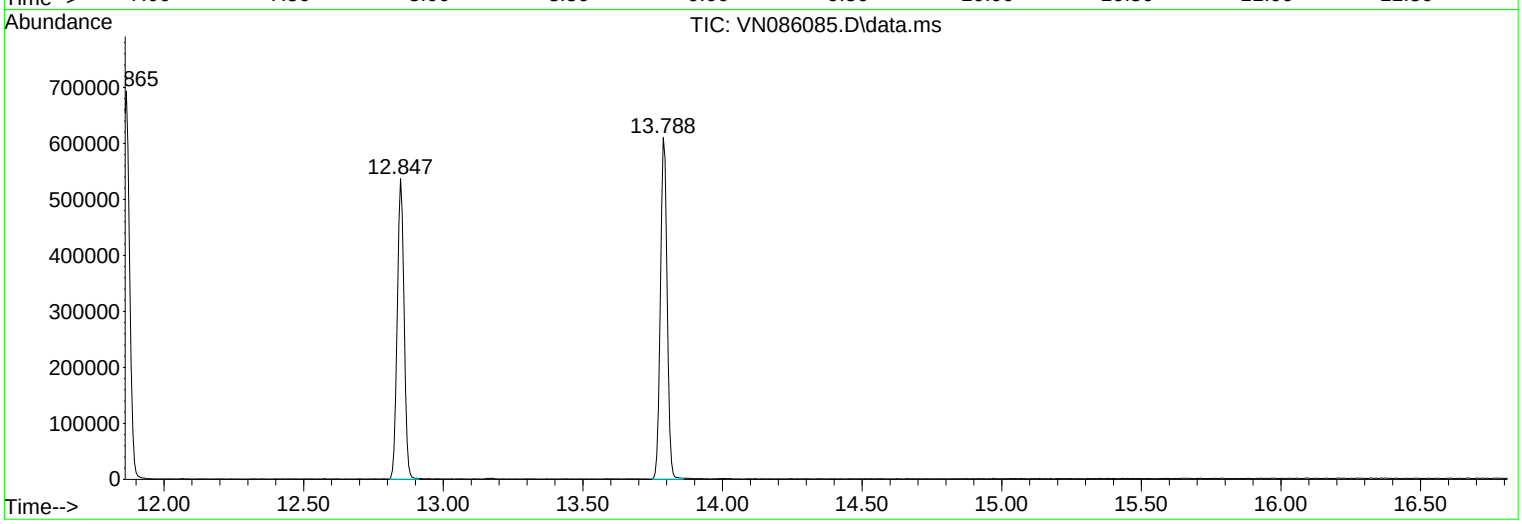
Instrument :
MSVOA_N
ClientSampleId :
Field-Blank

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032425\
Data File : VN086085.D
Acq On : 24 Mar 2025 20:26
Operator : JC\MD
Sample : Q1622-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
Field-Blank

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032425\
Data File : VN086085.D
Acq On : 24 Mar 2025 20:26
Operator : JC\MD
Sample : Q1622-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
Field-Blank

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032425\
Data File : VN086067.D
Acq On : 24 Mar 2025 13:02
Operator : JC\MD
Sample : VN0324WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0324WBL01

Quant Time: Mar 25 01:21:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	131247	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	230937	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	213386	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	85734	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	104038	57.888	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 115.780%			
35) Dibromofluoromethane	8.165	113	90332	56.040	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 112.080%			
50) Toluene-d8	10.565	98	287377	49.123	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.240%			
62) 4-Bromofluorobenzene	12.847	95	88547	42.442	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 84.880%			

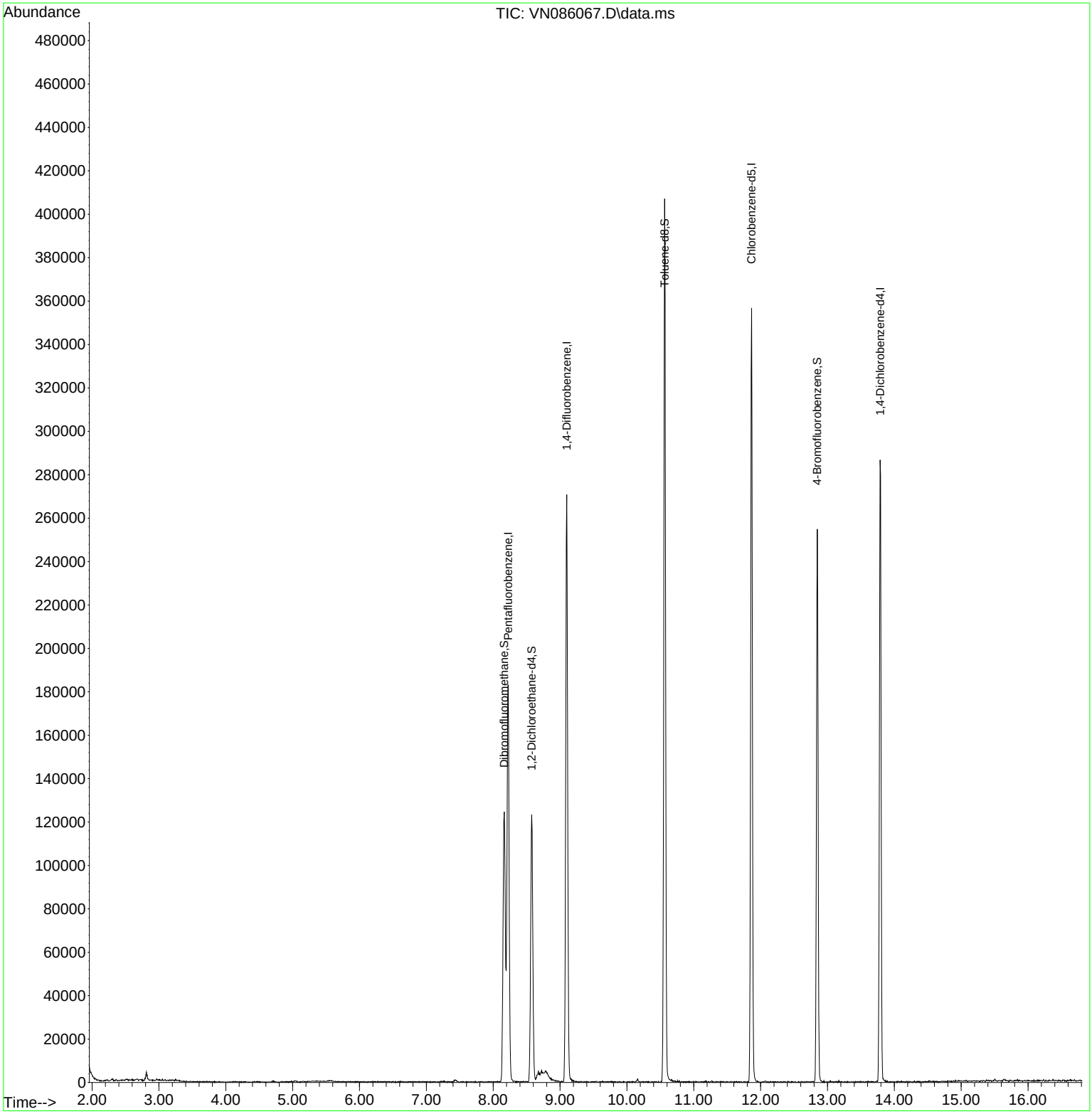
Target Compounds Qvalue

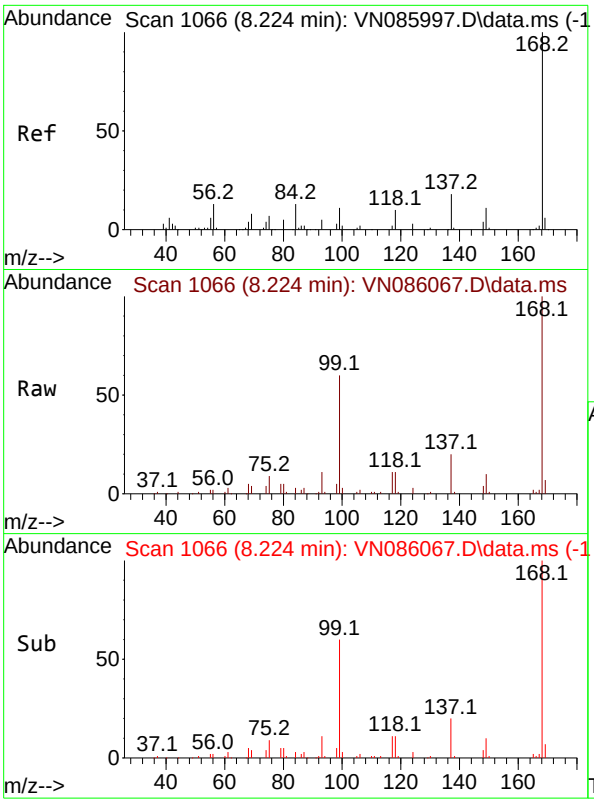
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032425\
Data File : VN086067.D
Acq On : 24 Mar 2025 13:02
Operator : JC\MD
Sample : VN0324WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0324WBL01

Quant Time: Mar 25 01:21:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration



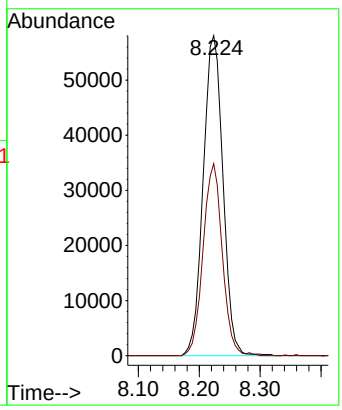


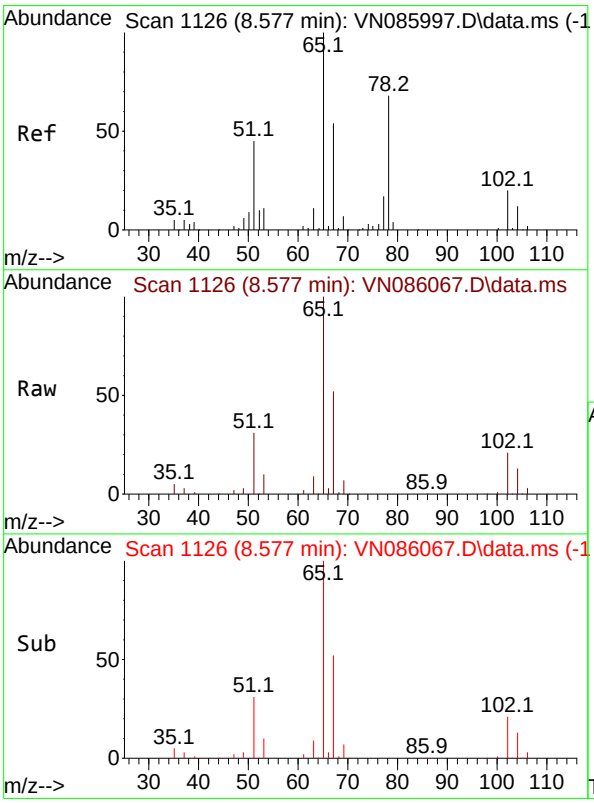
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086067.D
Acq: 24 Mar 2025 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN0324WBL01

Tgt Ion:168 Resp: 131247

Ion	Ratio	Lower	Upper
168	100		
99	60.0	49.4	74.2

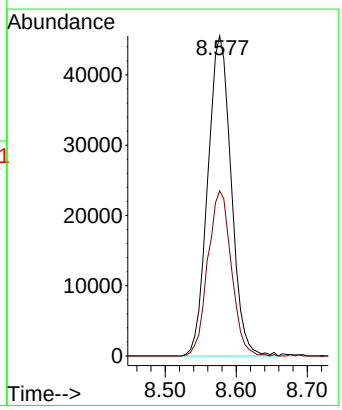


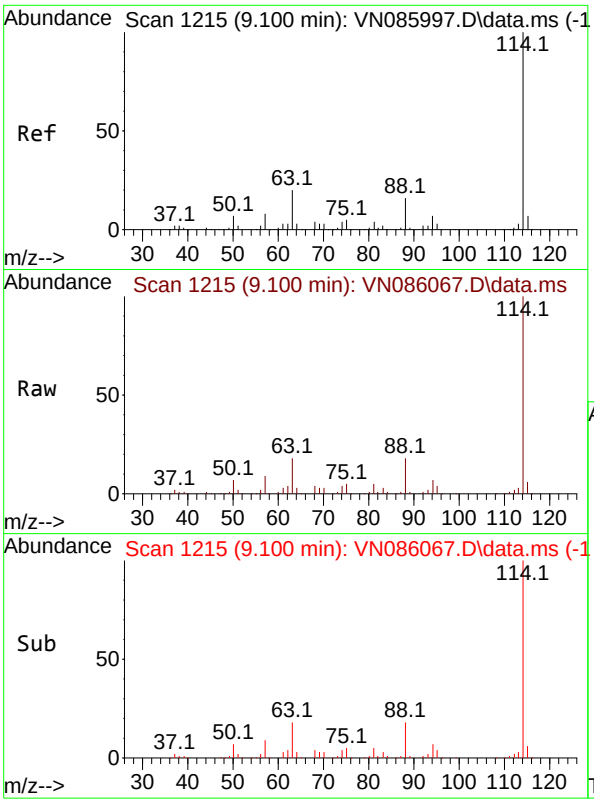


#33
1,2-Dichloroethane-d4
Concen: 57.888 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086067.D
Acq: 24 Mar 2025 13:02

Tgt Ion: 65 Resp: 104038

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	102.2



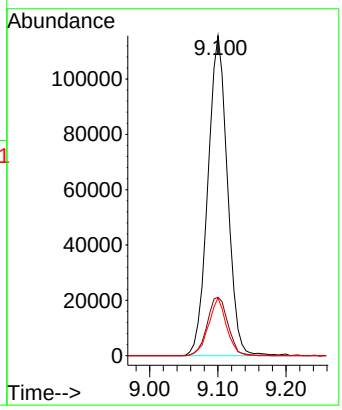


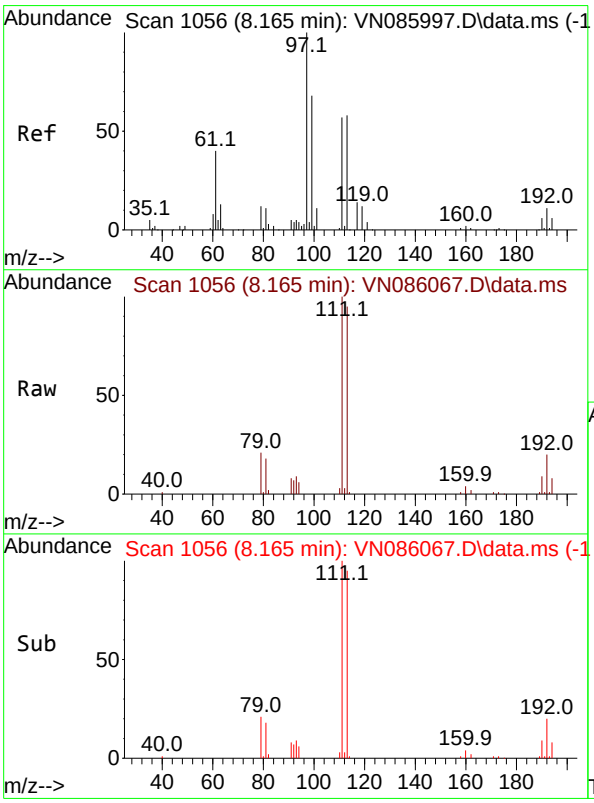
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086067.D
Acq: 24 Mar 2025 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN0324WBL01

Tgt Ion:114 Resp: 230937

Ion	Ratio	Lower	Upper
114	100		
63	18.2	0.0	39.6
88	18.0	0.0	32.6

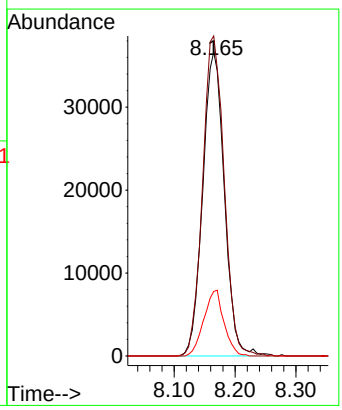


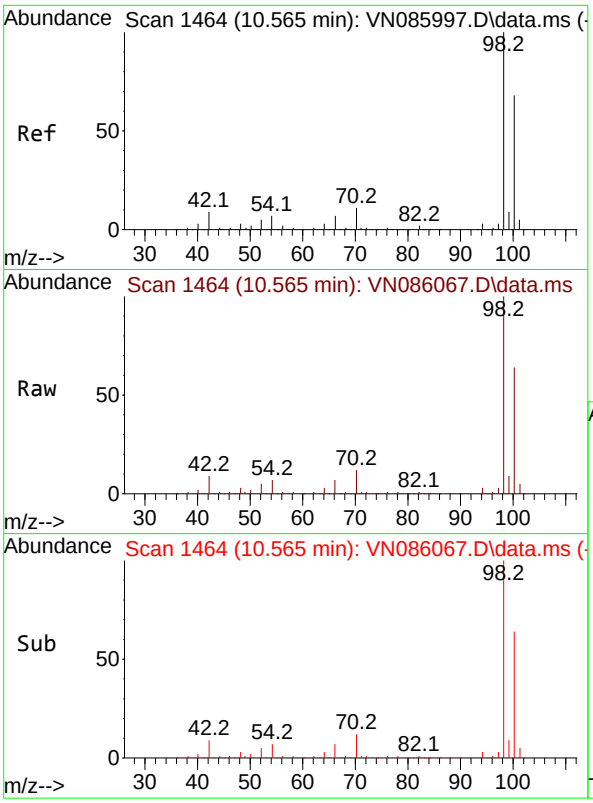


#35
Dibromofluoromethane
Concen: 56.040 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086067.D
Acq: 24 Mar 2025 13:02

Tgt Ion:113 Resp: 90332

Ion	Ratio	Lower	Upper
113	100		
111	104.9	81.8	122.8
192	20.1	15.9	23.9



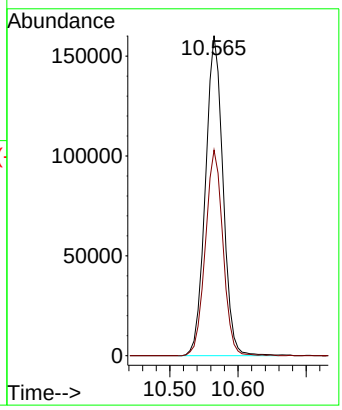


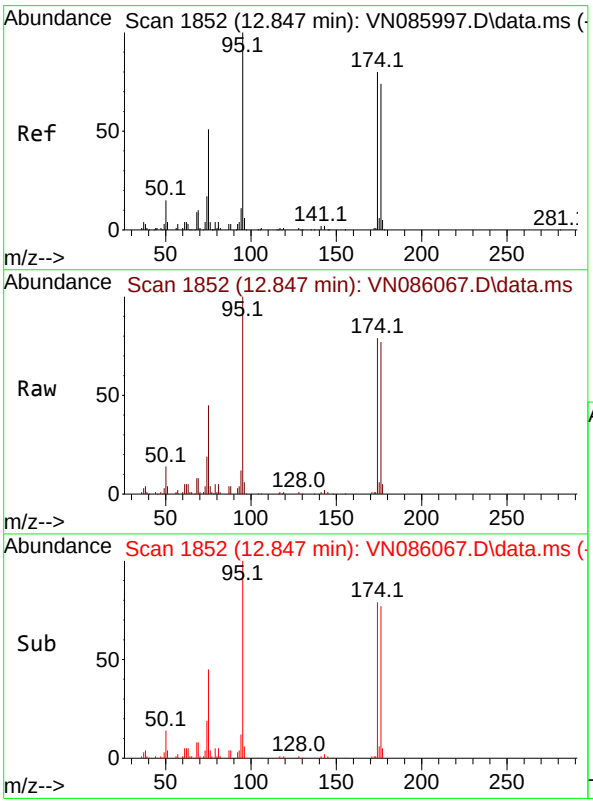
#50
Toluene-d8
Concen: 49.123 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN086067.D
Acq: 24 Mar 2025 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN0324WBL01

Tgt Ion: 98 Resp: 287377

Ion	Ratio	Lower	Upper
98	100		
100	64.2	53.1	79.7

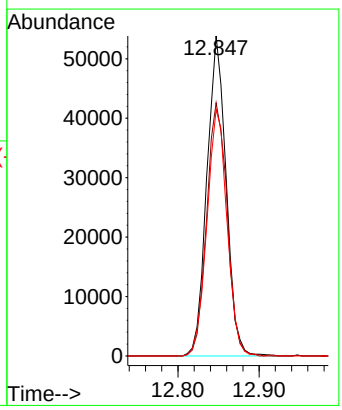


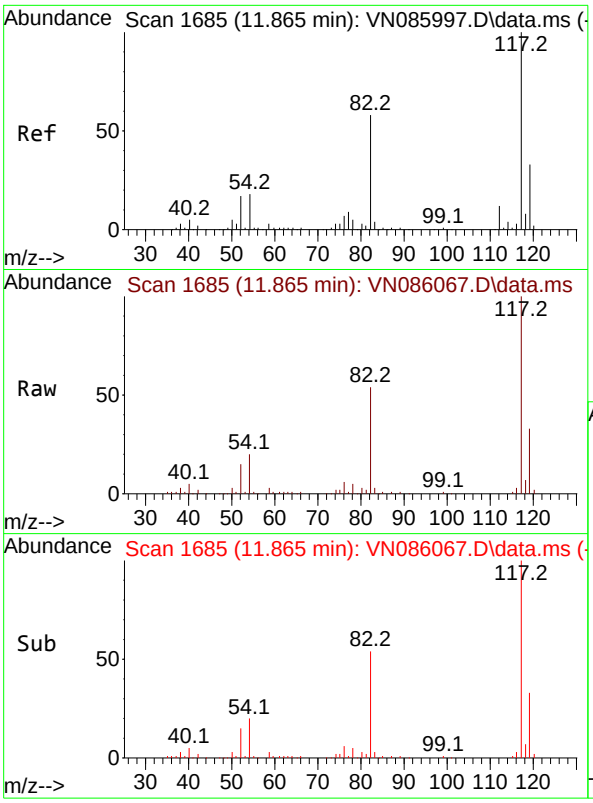


#62
4-Bromofluorobenzene
Concen: 42.442 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086067.D
Acq: 24 Mar 2025 13:02

Tgt Ion: 95 Resp: 88547

Ion	Ratio	Lower	Upper
95	100		
174	83.9	0.0	156.8
176	80.3	0.0	152.2



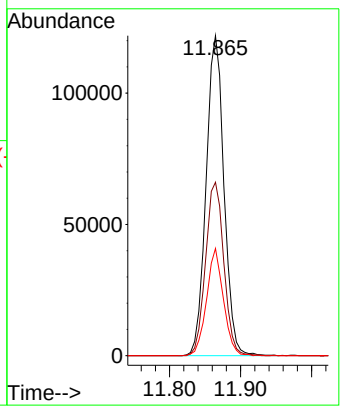


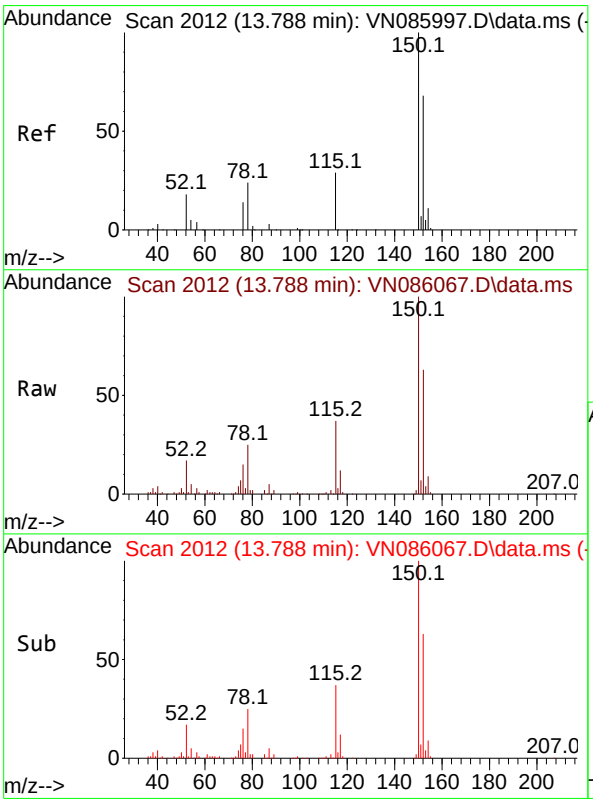
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086067.D
Acq: 24 Mar 2025 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN0324WBL01

Tgt Ion:117 Resp: 213386

Ion	Ratio	Lower	Upper
117	100		
82	54.2	46.7	70.1
119	33.5	26.5	39.7

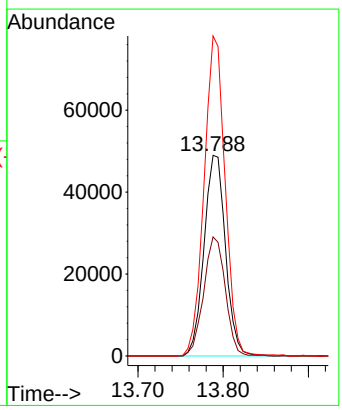




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086067.D
Acq: 24 Mar 2025 13:02

Tgt Ion:152 Resp: 85734

Ion	Ratio	Lower	Upper
152	100		
115	59.8	31.1	93.2
150	155.7	0.0	359.6



Sample Results: **VN086067.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032425\
Data File : VN086067.D
Acq On : 24 Mar 2025 13:02
Operator : JC\MD
Sample : VN0324WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0324WBL01

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Title : SW846 8260

Signal : TIC: VN086067.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.165	1045	1056	1061	rBV2	124502	310358	42.36%	8.140%
2	8.224	1061	1066	1079	rVB	182860	394091	53.79%	10.336%
3	8.577	1117	1126	1136	rBV2	123152	278179	37.97%	7.296%
4	9.100	1206	1215	1225	rBV	270619	537621	73.38%	14.100%
5	10.565	1456	1464	1476	rBV	406980	732699	100.00%	19.216%
6	11.865	1677	1685	1698	rBV	356839	624400	85.22%	16.376%
7	12.847	1843	1852	1865	rVB	254948	437682	59.74%	11.479%
8	13.788	2005	2012	2025	rBV	286451	497835	67.95%	13.057%

Sum of corrected areas: 3812865

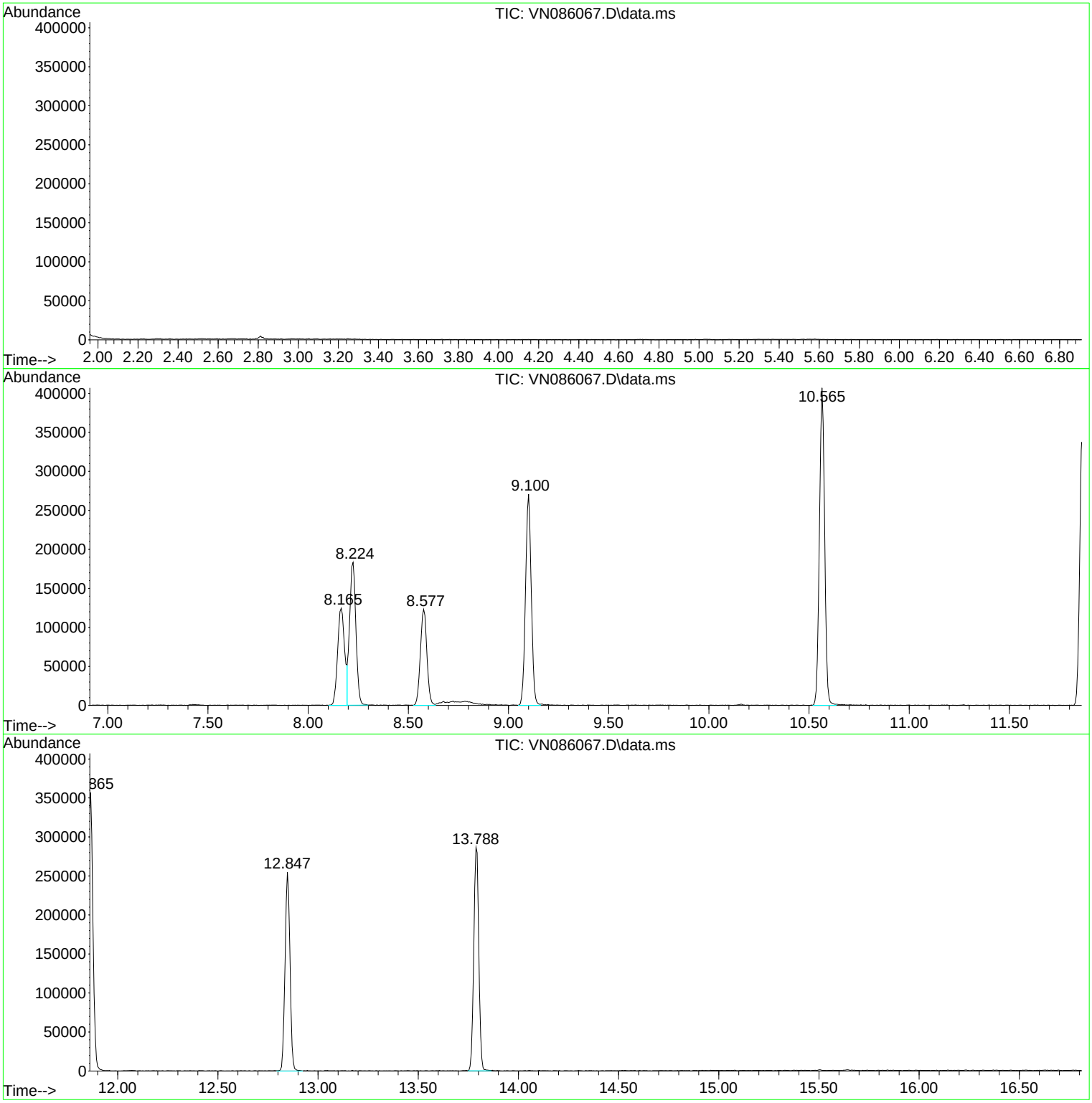
Sample Results: **VN086067.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032425\
Data File : VN086067.D
Acq On : 24 Mar 2025 13:02
Operator : JC\MD
Sample : VN0324WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0324WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Sample Results: **VN086067.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032425\
Data File : VN086067.D
Acq On : 24 Mar 2025 13:02
Operator : JC\MD
Sample : VN0324WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0324WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032425\
Data File : VN086067.D
Acq On : 24 Mar 2025 13:02
Operator : JC\MD
Sample : VN0324WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0324WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032425\
Data File : VN086069.D
Acq On : 24 Mar 2025 14:00
Operator : JC\MD
Sample : VN0324WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 25 01:22:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0324WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	162414	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	258911	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	235727	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	121424	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	113520	51.043	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.080%			
35) Dibromofluoromethane	8.165	113	91856	50.829	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.660%			
50) Toluene-d8	10.565	98	332989	50.770	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.540%			
62) 4-Bromofluorobenzene	12.847	95	117946	50.425	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.840%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	39332	18.279	ug/l	97
3) Chloromethane	2.359	50	34075	18.064	ug/l	98
4) Vinyl Chloride	2.512	62	35999	18.664	ug/l	100
5) Bromomethane	2.953	94	23531	17.911	ug/l	96
6) Chloroethane	3.124	64	21684	17.821	ug/l	92
7) Trichlorofluoromethane	3.500	101	60763	17.525	ug/l	96
8) Diethyl Ether	3.965	74	19343	18.224	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.377	101	34338	18.634	ug/l	99
10) Methyl Iodide	4.589	142	43585	18.152	ug/l #	96
11) Tert butyl alcohol	5.518	59	25565	81.190	ug/l	100
12) 1,1-Dichloroethene	4.342	96	29785	17.900	ug/l	92
13) Acrolein	4.177	56	31172	92.817	ug/l	96
14) Allyl chloride	5.018	41	34385	16.564	ug/l	99
15) Acrylonitrile	5.718	53	78847	94.814	ug/l	99
16) Acetone	4.430	43	57956	85.298	ug/l	96
17) Carbon Disulfide	4.712	76	89617	16.377	ug/l	99
18) Methyl Acetate	5.018	43	33928	20.182	ug/l	98
19) Methyl tert-butyl Ether	5.800	73	96829	17.759	ug/l	99
20) Methylene Chloride	5.277	84	37630	18.932	ug/l	99
21) trans-1,2-Dichloroethene	5.783	96	33164	18.238	ug/l	98
22) Diisopropyl ether	6.671	45	87929	19.877	ug/l	98
23) Vinyl Acetate	6.606	43	311092	92.770	ug/l	99
24) 1,1-Dichloroethane	6.565	63	61921	19.036	ug/l	98
25) 2-Butanone	7.483	43	85517	87.226	ug/l	93
26) 2,2-Dichloropropane	7.488	77	54928	17.539	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	38191	18.482	ug/l	98
28) Bromochloromethane	7.812	49	27907	20.249	ug/l	99
29) Tetrahydrofuran	7.835	42	57517	95.027	ug/l	98
30) Chloroform	7.959	83	67726	18.836	ug/l	96
31) Cyclohexane	8.253	56	47477	17.133	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	60938	17.905	ug/l	99
36) 1,1-Dichloropropene	8.371	75	43318	18.204	ug/l	98
37) Ethyl Acetate	7.559	43	34788	17.329	ug/l	98
38) Carbon Tetrachloride	8.359	117	56681	18.116	ug/l	98
39) Methylcyclohexane	9.600	83	39101	16.562	ug/l	93
40) Benzene	8.606	78	141532	18.946	ug/l	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032425\
Data File : VN086069.D
Acq On : 24 Mar 2025 14:00
Operator : JC\MD
Sample : VN0324WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 25 01:22:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0324WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	18938	19.756	ug/l		96
42) 1,2-Dichloroethane	8.665	62	49242	18.918	ug/l		99
43) Isopropyl Acetate	8.688	43	64276	14.775	ug/l		98
44) Trichloroethene	9.347	130	32369	16.719	ug/l		94
45) 1,2-Dichloropropane	9.618	63	33318	19.610	ug/l		94
46) Dibromomethane	9.706	93	25904	19.387	ug/l		99
47) Bromodichloromethane	9.888	83	53170	19.040	ug/l		94
48) Methyl methacrylate	9.677	41	26663	18.574	ug/l		98
49) 1,4-Dioxane	9.694	88	12949	381.582	ug/l		99
51) 4-Methyl-2-Pentanone	10.441	43	184157	95.988	ug/l		98
52) Toluene	10.629	92	91169	19.885	ug/l		96
53) t-1,3-Dichloropropene	10.835	75	51098	18.841	ug/l		99
54) cis-1,3-Dichloropropene	10.312	75	52762	18.439	ug/l		98
55) 1,1,2-Trichloroethane	11.012	97	34916	19.953	ug/l		95
56) Ethyl methacrylate	10.871	69	43390	18.297	ug/l		97
57) 1,3-Dichloropropane	11.159	76	57650	19.397	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.159	63	110088	119.303	ug/l		99
59) 2-Hexanone	11.194	43	132338	94.687	ug/l		98
60) Dibromochloromethane	11.353	129	44130	19.543	ug/l		100
61) 1,2-Dibromoethane	11.465	107	34673	19.301	ug/l		100
64) Tetrachloroethene	11.100	164	34706	18.457	ug/l		97
65) Chlorobenzene	11.888	112	97585	18.091	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.959	131	37572	18.738	ug/l		99
67) Ethyl Benzene	11.959	91	153645	17.807	ug/l		99
68) m/p-Xylenes	12.070	106	125241	36.929	ug/l		98
69) o-Xylene	12.400	106	57330	18.418	ug/l		96
70) Styrene	12.412	104	97515	18.342	ug/l		99
71) Bromoform	12.576	173	30919	18.446	ug/l	#	99
73) Isopropylbenzene	12.694	105	139841	16.865	ug/l		99
74) N-amyl acetate	12.494	43	47183	17.008	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.935	83	48431	17.264	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	52605m	19.351	ug/l		
77) Bromobenzene	12.976	156	40210	17.391	ug/l		99
78) n-propylbenzene	13.035	91	169117	18.012	ug/l		97
79) 2-Chlorotoluene	13.123	91	111173	17.826	ug/l		98
80) 1,3,5-Trimethylbenzene	13.170	105	125141	17.875	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.735	75	17979	17.485	ug/l		97
82) 4-Chlorotoluene	13.217	91	116444	18.157	ug/l		100
83) tert-Butylbenzene	13.435	119	96768	16.162	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	123520	17.493	ug/l		98
85) sec-Butylbenzene	13.612	105	137416	17.593	ug/l		100
86) p-Isopropyltoluene	13.729	119	112898	17.075	ug/l		98
87) 1,3-Dichlorobenzene	13.729	146	74398	17.852	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	74587	17.034	ug/l		98
89) n-Butylbenzene	14.053	91	89830	16.684	ug/l		97
90) Hexachloroethane	14.329	117	26422	17.318	ug/l		98
91) 1,2-Dichlorobenzene	14.106	146	70181	16.940	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	9536	17.029	ug/l		92
93) 1,2,4-Trichlorobenzene	15.388	180	32430	15.568	ug/l		98
94) Hexachlorobutadiene	15.500	225	18176	15.039	ug/l		96
95) Naphthalene	15.635	128	83907	13.910	ug/l		99
96) 1,2,3-Trichlorobenzene	15.841	180	30420	15.389	ug/l		95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032425\
Data File : VN086069.D
Acq On : 24 Mar 2025 14:00
Operator : JC\MD
Sample : VN0324WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 25 01:22:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0324WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

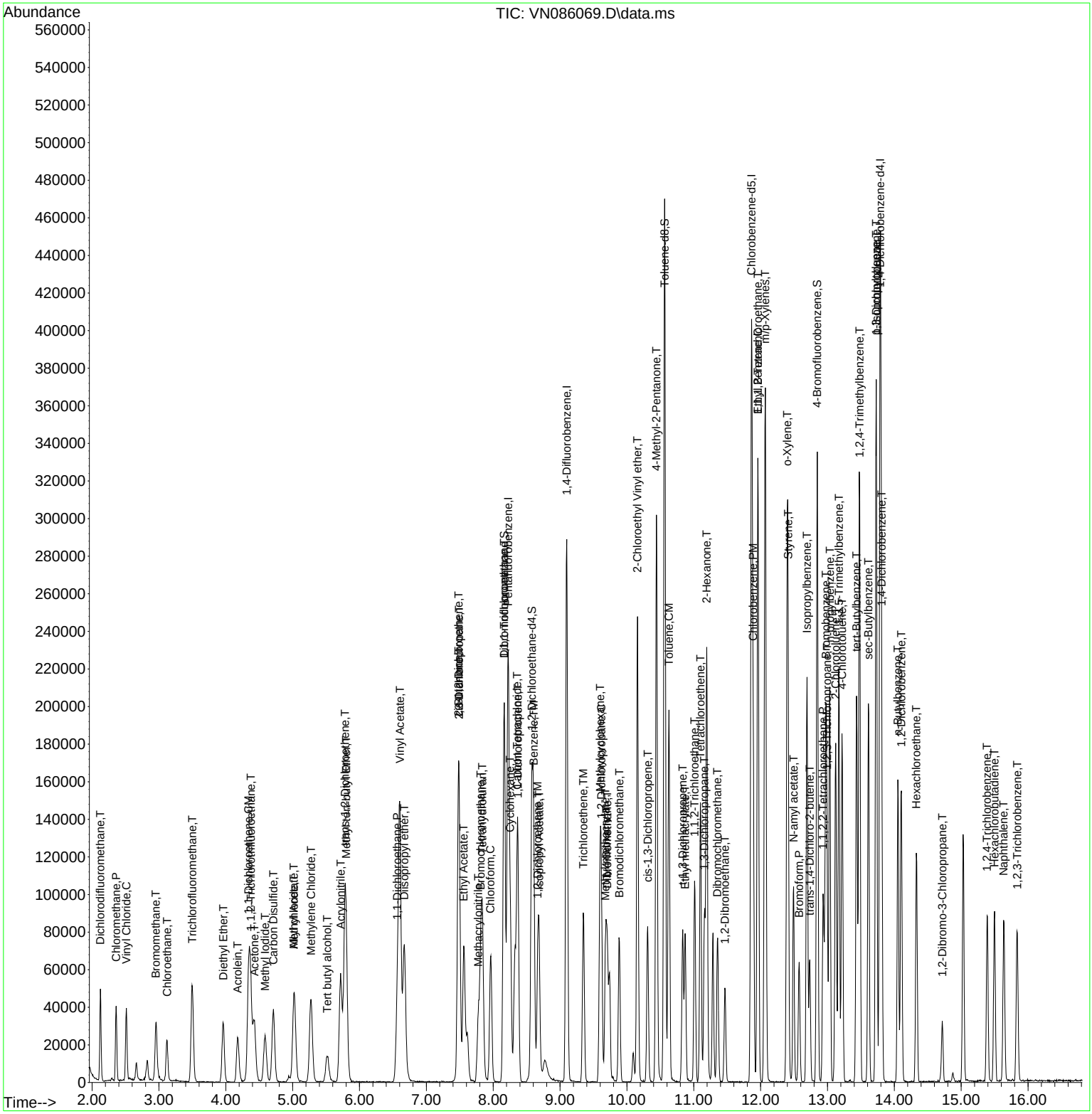
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032425\
Data File : VN086069.D
Acq On : 24 Mar 2025 14:00
Operator : JC\MD
Sample : VN0324WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 25 01:22:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0324WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032425\
Data File : VN086077.D
Acq On : 24 Mar 2025 17:13
Operator : JC\MD
Sample : VN0324WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Mar 25 01:27:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0324WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	270759	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	461280	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	433499	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	206640	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	172149	46.431	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 92.860%			
35) Dibromofluoromethane	8.165	113	144681	44.936	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 89.880%			
50) Toluene-d8	10.565	98	581461	49.761	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.520%			
62) 4-Bromofluorobenzene	12.847	95	217661	52.231	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.460%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	56872	15.854	ug/l	100
3) Chloromethane	2.359	50	57568	18.306	ug/l	96
4) Vinyl Chloride	2.512	62	62634	19.479	ug/l	100
5) Bromomethane	2.953	94	38169	17.427	ug/l	95
6) Chloroethane	3.118	64	38540	19.000	ug/l	95
7) Trichlorofluoromethane	3.500	101	96633	16.718	ug/l	92
8) Diethyl Ether	3.959	74	33885	19.150	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.377	101	56886	18.518	ug/l	96
10) Methyl Iodide	4.589	142	74337	18.571	ug/l	95
11) Tert butyl alcohol	5.518	59	42227	80.443	ug/l	98
12) 1,1-Dichloroethene	4.336	96	52793	19.032	ug/l	93
13) Acrolein	4.177	56	53971	96.397	ug/l	94
14) Allyl chloride	5.024	41	68911	19.913	ug/l	93
15) Acrylonitrile	5.718	53	135421	97.682	ug/l	99
16) Acetone	4.424	43	94617	83.531	ug/l	99
17) Carbon Disulfide	4.706	76	147120	16.127	ug/l	99
18) Methyl Acetate	5.024	43	60323	21.525	ug/l	97
19) Methyl tert-butyl Ether	5.794	73	175978	19.360	ug/l	100
20) Methylene Chloride	5.277	84	62720	18.928	ug/l	95
21) trans-1,2-Dichloroethene	5.783	96	58647	19.346	ug/l	89
22) Diisopropyl ether	6.671	45	165246	22.408	ug/l	98
23) Vinyl Acetate	6.600	43	561587	100.456	ug/l	99
24) 1,1-Dichloroethane	6.565	63	106252	19.593	ug/l	98
25) 2-Butanone	7.483	43	156266	95.609	ug/l	96
26) 2,2-Dichloropropane	7.488	77	91454	17.517	ug/l	94
27) cis-1,2-Dichloroethene	7.488	96	68400	19.856	ug/l	99
28) Bromochloromethane	7.812	49	47930	20.861	ug/l	95
29) Tetrahydrofuran	7.835	42	107681	106.716	ug/l	96
30) Chloroform	7.965	83	113991	19.017	ug/l	98
31) Cyclohexane	8.253	56	93653	20.272	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	106721	18.809	ug/l	94
36) 1,1-Dichloropropene	8.371	75	79190	18.679	ug/l	98
37) Ethyl Acetate	7.559	43	65513	18.317	ug/l	100
38) Carbon Tetrachloride	8.359	117	93445	16.764	ug/l	96
39) Methylcyclohexane	9.600	83	89930	21.380	ug/l	97
40) Benzene	8.606	78	252741	18.990	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032425\
Data File : VN086077.D
Acq On : 24 Mar 2025 17:13
Operator : JC\MD
Sample : VN0324WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Mar 25 01:27:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0324WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	34727	20.334	ug/l		98
42) 1,2-Dichloroethane	8.671	62	78250	16.874	ug/l		95
43) Isopropyl Acetate	8.682	43	120615	15.562	ug/l		96
44) Trichloroethene	9.347	130	62903	18.236	ug/l		97
45) 1,2-Dichloropropane	9.618	63	62474	20.639	ug/l		97
46) Dibromomethane	9.706	93	42564	17.880	ug/l		96
47) Bromodichloromethane	9.882	83	90994	18.289	ug/l		98
48) Methyl methacrylate	9.677	41	52409	20.492	ug/l		97
49) 1,4-Dioxane	9.694	88	22674	375.030	ug/l		91
51) 4-Methyl-2-Pentanone	10.441	43	358658	104.929	ug/l		97
52) Toluene	10.629	92	167806	20.544	ug/l		98
53) t-1,3-Dichloropropene	10.835	75	94674	19.594	ug/l		93
54) cis-1,3-Dichloropropene	10.312	75	100807	19.774	ug/l		100
55) 1,1,2-Trichloroethane	11.012	97	64761	20.772	ug/l		100
56) Ethyl methacrylate	10.871	69	99180	22.943	ug/l		95
57) 1,3-Dichloropropane	11.159	76	108208	20.435	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	178650	109.859	ug/l		98
59) 2-Hexanone	11.194	43	265881	106.777	ug/l		97
60) Dibromochloromethane	11.353	129	72557	18.036	ug/l		95
61) 1,2-Dibromoethane	11.465	107	63450	19.824	ug/l		99
64) Tetrachloroethene	11.100	164	62476	18.067	ug/l		99
65) Chlorobenzene	11.888	112	184681	18.618	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.959	131	68245	18.507	ug/l		98
67) Ethyl Benzene	11.959	91	324719	20.464	ug/l		99
68) m/p-Xylenes	12.071	106	250152	40.110	ug/l		98
69) o-Xylene	12.394	106	125479	21.921	ug/l		98
70) Styrene	12.412	104	204422	20.908	ug/l		97
71) Bromoform	12.576	173	54015	17.523	ug/l	#	95
73) Isopropylbenzene	12.694	105	317837	22.524	ug/l		99
74) N-amyl acetate	12.488	43	107676	22.807	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.935	83	88942	18.631	ug/l		97
76) 1,2,3-Trichloropropane	12.988	75	82660m	17.868	ug/l		
77) Bromobenzene	12.976	156	74397	18.908	ug/l		96
78) n-propylbenzene	13.035	91	352210	22.042	ug/l		87
79) 2-Chlorotoluene	13.123	91	219093	20.643	ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	251124	21.078	ug/l		96
81) trans-1,4-Dichloro-2-b...	12.735	75	30877	17.646	ug/l		96
82) 4-Chlorotoluene	13.217	91	215916	19.783	ug/l		97
83) tert-Butylbenzene	13.435	119	221939	21.781	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	268386	22.335	ug/l		98
85) sec-Butylbenzene	13.612	105	299817	22.555	ug/l		98
86) p-Isopropyltoluene	13.723	119	254501	22.618	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	136271	19.214	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	133031	17.852	ug/l		97
89) n-Butylbenzene	14.053	91	209211	22.832	ug/l		98
90) Hexachloroethane	14.329	117	43995	16.945	ug/l		98
91) 1,2-Dichlorobenzene	14.106	146	135623	19.236	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	17875	18.757	ug/l		98
93) 1,2,4-Trichlorobenzene	15.388	180	71857	20.269	ug/l		95
94) Hexachlorobutadiene	15.500	225	34204	16.630	ug/l		99
95) Naphthalene	15.635	128	254459	24.788	ug/l		96
96) 1,2,3-Trichlorobenzene	15.835	180	71641	21.297	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032425\
Data File : VN086077.D
Acq On : 24 Mar 2025 17:13
Operator : JC\MD
Sample : VN0324WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Mar 25 01:27:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0324WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

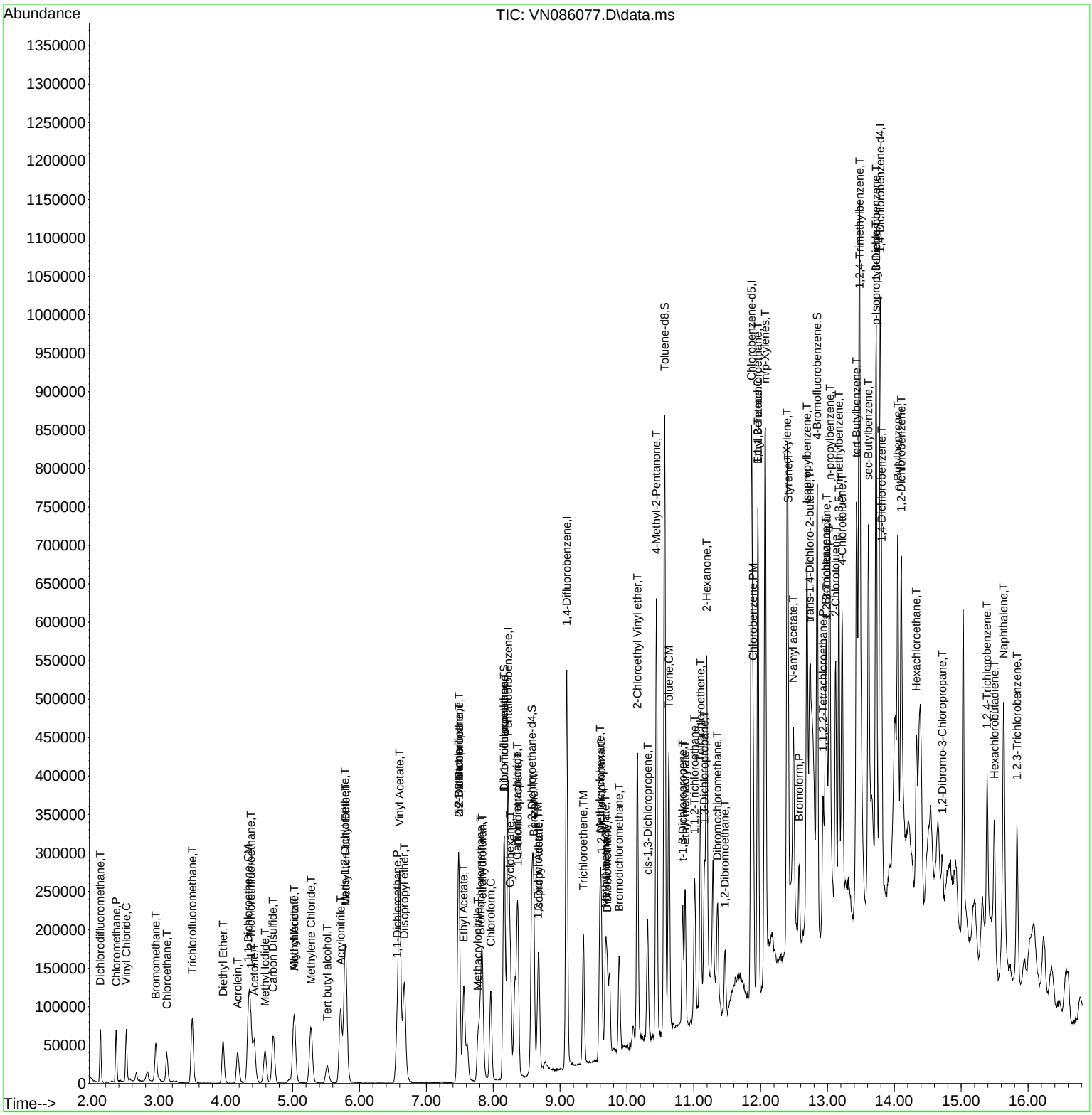
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032425\
Data File : VN086077.D
Acq On : 24 Mar 2025 17:13
Operator : JC\MD
Sample : VN0324WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Mar 25 01:27:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0324WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/25/2025
Supervised By :Mahesh Dadoda 03/25/2025



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	VN031825	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC100	VN085996.D	1,2,3-Trichloropropane	JOHN	3/19/2025 9:42:30 AM	MMDadoda	3/19/2025 2:21:56 PM	Peak Integrated by Software
VSTDICCC050	VN085997.D	1,2,3-Trichloropropane	JOHN	3/19/2025 9:42:35 AM	MMDadoda	3/19/2025 2:21:58 PM	Peak Integrated by Software
VSTDICCC050	VN085997.D	Isopropyl Acetate	JOHN	3/19/2025 9:42:35 AM	MMDadoda	3/19/2025 2:21:58 PM	Peak Integrated by Software
VSTDICC020	VN085998.D	1,2,3-Trichloropropane	JOHN	3/19/2025 9:42:41 AM	MMDadoda	3/19/2025 2:22:00 PM	Peak Integrated by Software
VSTDICC020	VN085998.D	Isopropyl Acetate	JOHN	3/19/2025 9:42:41 AM	MMDadoda	3/19/2025 2:22:00 PM	Peak Integrated by Software
VSTDICC020	VN085998.D	Vinyl Acetate	JOHN	3/19/2025 9:42:41 AM	MMDadoda	3/19/2025 2:22:00 PM	Peak Integrated by Software
VSTDICC010	VN085999.D	1,2,3-Trichloropropane	JOHN	3/19/2025 9:42:46 AM	MMDadoda	3/19/2025 2:22:02 PM	Peak Integrated by Software
VSTDICC010	VN085999.D	Isopropyl Acetate	JOHN	3/19/2025 9:42:46 AM	MMDadoda	3/19/2025 2:22:02 PM	Peak Integrated by Software
VSTDICC005	VN086000.D	1,2,3-Trichloropropane	JOHN	3/19/2025 9:42:51 AM	MMDadoda	3/19/2025 2:22:03 PM	Peak Integrated by Software
VSTDICC001	VN086001.D	1,1,2-Trichlorotrifluoroethane	JOHN	3/19/2025 9:42:57 AM	MMDadoda	3/19/2025 2:22:05 PM	Peak Integrated by Software
VSTDICC001	VN086001.D	1,1-Dichloroethane	JOHN	3/19/2025 9:42:57 AM	MMDadoda	3/19/2025 2:22:05 PM	Peak Integrated by Software
VSTDICC001	VN086001.D	1,2,3-Trichloropropane	JOHN	3/19/2025 9:42:57 AM	MMDadoda	3/19/2025 2:22:05 PM	Peak Integrated by Software
VSTDICC001	VN086001.D	1,4-Dichlorobenzene	JOHN	3/19/2025 9:42:57 AM	MMDadoda	3/19/2025 2:22:05 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VN031825	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VN086001.D	Diisopropyl ether	JOHN	3/19/2025 9:42:57 AM	MMDadoda	3/19/2025 2:22:05 PM	Peak Integrated by Software
VSTDICC001	VN086001.D	Ethyl Acetate	JOHN	3/19/2025 9:42:57 AM	MMDadoda	3/19/2025 2:22:05 PM	Peak Integrated by Software
VSTDICV050	VN086003.D	1,2,3-Trichloropropane	JOHN	3/19/2025 9:43:04 AM	MMDadoda	3/19/2025 2:22:08 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vn032425	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN086065.D	1,2,3-Trichloropropane	JOHN	3/25/2025 9:52:15 AM	MMDadoda	3/25/2025 3:26:35 PM	Peak Integrated by Software
VN0324WBS01	VN086069.D	1,2,3-Trichloropropane	JOHN	3/25/2025 9:52:24 AM	MMDadoda	3/25/2025 3:26:43 PM	Peak Integrated by Software
VN0324WBSD01	VN086077.D	1,2,3-Trichloropropane	JOHN	3/25/2025 9:52:28 AM	MMDadoda	3/25/2025 3:26:46 PM	Peak Integrated by Software
VSTDCCC050	VN086088.D	1,2,3-Trichloropropane	JOHN	3/25/2025 9:52:33 AM	MMDadoda	3/25/2025 3:26:50 PM	Peak Integrated by Software

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN031825

Review By	John Carlone	Review On	3/19/2025 9:43:20 AM		
Supervise By	Mahesh Dadoda	Supervise On	3/19/2025 2:22:13 PM		
SubDirectory	VN031825	HP Acquire Method		HP Processing Method	82N031825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133352
Initial Calibration Stds	VP133393,VP133394,VP133395,VP133396,VP133397,VP133399
CCC	VP133353
Internal Standard/PEM	
ICV/I.BLK	VP133401
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN085994.D	18 Mar 2025 08:52	JC\MD	Ok
2	VSTDCCC050	VN085995.D	18 Mar 2025 10:55	JC\MD	Not Ok
3	VSTDICC100	VN085996.D	18 Mar 2025 11:44	JC\MD	Ok,M
4	VSTDICCC050	VN085997.D	18 Mar 2025 12:08	JC\MD	Ok,M
5	VSTDICC020	VN085998.D	18 Mar 2025 12:32	JC\MD	Ok,M
6	VSTDICC010	VN085999.D	18 Mar 2025 12:57	JC\MD	Ok,M
7	VSTDICC005	VN086000.D	18 Mar 2025 13:21	JC\MD	Ok,M
8	VSTDICC001	VN086001.D	18 Mar 2025 14:09	JC\MD	Ok,M
9	IBLK	VN086002.D	18 Mar 2025 14:34	JC\MD	Ok
10	VSTDICV050	VN086003.D	18 Mar 2025 16:49	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN032425

Review By	John Carlone	Review On	3/25/2025 9:56:11 AM		
Supervise By	Mahesh Dadoda	Supervise On	3/25/2025 3:26:57 PM		
SubDirectory	VN032425	HP Acquire Method		HP Processing Method	82N031825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133454
Initial Calibration Stds	
CCC	VP133455,VP133456
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN086064.D	24 Mar 2025 11:38	JC\MD	Ok
2	VSTDCCC050	VN086065.D	24 Mar 2025 12:03	JC\MD	Ok,M
3	VN0324MBL01	VN086066.D	24 Mar 2025 12:38	JC\MD	Ok
4	VN0324WBL01	VN086067.D	24 Mar 2025 13:02	JC\MD	Ok
5	VN0324MBS01	VN086068.D	24 Mar 2025 13:26	JC\MD	Ok,M
6	VN0324WBS01	VN086069.D	24 Mar 2025 14:00	JC\MD	Ok,M
7	Q1598-01ME	VN086070.D	24 Mar 2025 14:24	JC\MD	Dilution
8	IBLK	VN086071.D	24 Mar 2025 14:48	JC\MD	Ok
9	IBLK	VN086072.D	24 Mar 2025 15:12	JC\MD	Ok
10	Q1598-01ME	VN086073.D	24 Mar 2025 15:36	JC\MD	Not Ok
11	Q1606-01	VN086074.D	24 Mar 2025 16:00	JC\MD	Ok
12	Q1606-07	VN086075.D	24 Mar 2025 16:25	JC\MD	Ok
13	Q1606-09	VN086076.D	24 Mar 2025 16:49	JC\MD	Ok
14	VN0324WBSD01	VN086077.D	24 Mar 2025 17:13	JC\MD	Ok,M
15	Q1598-01MEDL	VN086078.D	24 Mar 2025 17:37	JC\MD	Ok
16	Q1619-08	VN086079.D	24 Mar 2025 18:01	JC\MD	ReRun
17	Q1619-10	VN086080.D	24 Mar 2025 18:25	JC\MD	ReRun
18	Q1619-12	VN086081.D	24 Mar 2025 18:49	JC\MD	ReRun
19	Q1619-14	VN086082.D	24 Mar 2025 19:13	JC\MD	ReRun
20	Q1625-01	VN086083.D	24 Mar 2025 19:37	JC\MD	Ok
21	Q1618-02	VN086084.D	24 Mar 2025 20:01	JC\MD	Not Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN032425

Review By	John Carlone	Review On	3/25/2025 9:56:11 AM		
Supervise By	Mahesh Dadoda	Supervise On	3/25/2025 3:26:57 PM		
SubDirectory	VN032425	HP Acquire Method		HP Processing Method	82N031825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133454
Initial Calibration Stds	
CCC	VP133455,VP133456
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1622-03	VN086085.D	24 Mar 2025 20:26	JC\MD	Ok
23	Q1622-01	VN086086.D	24 Mar 2025 20:50	JC\MD	Ok
24	Q1622-02	VN086087.D	24 Mar 2025 21:14	JC\MD	Ok
25	VSTDCCC050	VN086088.D	24 Mar 2025 21:38	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN031825

Review By	John Carlone	Review On	3/19/2025 9:43:20 AM		
Supervise By	Mahesh Dadoda	Supervise On	3/19/2025 2:22:13 PM		
SubDirectory	VN031825	HP Acquire Method		HP Processing Method	82N031825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133352
Initial Calibration Stds	VP133393,VP133394,VP133395,VP133396,VP133397,VP133399
CCC	VP133353
Internal Standard/PEM	
ICV/I.BLK	VP133401
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN085994.D	18 Mar 2025 08:52		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN085995.D	18 Mar 2025 10:55	Need ICAL	JC\MD	Not Ok
3	VSTDICC100	VSTDICC100	VN085996.D	18 Mar 2025 11:44		JC\MD	Ok,M
4	VSTDICCC050	VSTDICCC050	VN085997.D	18 Mar 2025 12:08	Comp.#56 and 58 is on Quadratic Regression	JC\MD	Ok,M
5	VSTDICC020	VSTDICC020	VN085998.D	18 Mar 2025 12:32		JC\MD	Ok,M
6	VSTDICC010	VSTDICC010	VN085999.D	18 Mar 2025 12:57	%D failed for Comp. #58 in 01PPB and 20PPB	JC\MD	Ok,M
7	VSTDICC005	VSTDICC005	VN086000.D	18 Mar 2025 13:21		JC\MD	Ok,M
8	VSTDICC001	VSTDICC001	VN086001.D	18 Mar 2025 14:09		JC\MD	Ok,M
9	IBLK	IBLK	VN086002.D	18 Mar 2025 14:34		JC\MD	Ok
10	VSTDICV050	ICVVN031825	VN086003.D	18 Mar 2025 16:49	ICV Failed for comp. #39,52,58,68,69,70,78,80,84,85, 86,89 For DOD	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN032425

Review By	John Carlone	Review On	3/25/2025 9:56:11 AM		
Supervise By	Mahesh Dadoda	Supervise On	3/25/2025 3:26:57 PM		
SubDirectory	VN032425	HP Acquire Method		HP Processing Method	82N031825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133454
Initial Calibration Stds	
CCC	VP133455,VP133456
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN086064.D	24 Mar 2025 11:38		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN086065.D	24 Mar 2025 12:03	pH#Lot#V12668	JC\MD	Ok,M
3	VN0324MBL01	VN0324MBL01	VN086066.D	24 Mar 2025 12:38		JC\MD	Ok
4	VN0324WBL01	VN0324WBL01	VN086067.D	24 Mar 2025 13:02		JC\MD	Ok
5	VN0324MBS01	VN0324MBS01	VN086068.D	24 Mar 2025 13:26	MBS Failed low for com.#93	JC\MD	Ok,M
6	VN0324WBS01	VN0324WBS01	VN086069.D	24 Mar 2025 14:00		JC\MD	Ok,M
7	Q1598-01ME	ETGI-354ME	VN086070.D	24 Mar 2025 14:24	Need 500X	JC\MD	Dilution
8	IBLK	IBLK	VN086071.D	24 Mar 2025 14:48		JC\MD	Ok
9	IBLK	IBLK	VN086072.D	24 Mar 2025 15:12		JC\MD	Ok
10	Q1598-01ME	ETGI-354ME	VN086073.D	24 Mar 2025 15:36	Need further dilution	JC\MD	Not Ok
11	Q1606-01	CHRT24743	VN086074.D	24 Mar 2025 16:00		JC\MD	Ok
12	Q1606-07	RT3025	VN086075.D	24 Mar 2025 16:25		JC\MD	Ok
13	Q1606-09	CHRT28607	VN086076.D	24 Mar 2025 16:49		JC\MD	Ok
14	VN0324WBSD01	VN0324WBSD01	VN086077.D	24 Mar 2025 17:13		JC\MD	Ok,M
15	Q1598-01MEDL	ETGI-354MEDL	VN086078.D	24 Mar 2025 17:37		JC\MD	Ok
16	Q1619-08	TP-2	VN086079.D	24 Mar 2025 18:01	vial A pH#5.0 Internal standard fail	JC\MD	ReRun
17	Q1619-10	TP-3	VN086080.D	24 Mar 2025 18:25	vial A pH#5.0 Internal standard fail	JC\MD	ReRun

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN032425

Review By	John Carlone	Review On	3/25/2025 9:56:11 AM		
Supervise By	Mahesh Dadoda	Supervise On	3/25/2025 3:26:57 PM		
SubDirectory	VN032425	HP Acquire Method		HP Processing Method	82N031825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133454
Initial Calibration Stds	
CCC	VP133455,VP133456
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q1619-12	TP-4	VN086081.D	24 Mar 2025 18:49	vial A pH#5.0 Internal standard fail	JC\MD	ReRun
19	Q1619-14	TP-5	VN086082.D	24 Mar 2025 19:13	vial A pH#5.0 Internal standard fail	JC\MD	ReRun
20	Q1625-01	FRAC-TANK-A1291	VN086083.D	24 Mar 2025 19:37	vial A pH<2	JC\MD	Ok
21	Q1618-02	TP20250320-02	VN086084.D	24 Mar 2025 20:01	Need Straight Run- run 10x	JC\MD	Not Ok
22	Q1622-03	Field-Blank	VN086085.D	24 Mar 2025 20:26	vial A pH<2 FB	JC\MD	Ok
23	Q1622-01	MW1	VN086086.D	24 Mar 2025 20:50	vial A pH<2	JC\MD	Ok
24	Q1622-02	MW3	VN086087.D	24 Mar 2025 21:14	vial A pH<2	JC\MD	Ok
25	VSTDCCC050	VSTDCCC050EC	VN086088.D	24 Mar 2025 21:38		JC\MD	Ok,M

M : Manual Integration

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LAB CHRONICLE

OrderID:	Q1622	**OrderDate:**	3/21/2025 10:43:00 AM
Client:	G Environmental	**Project:**	Buffington - GECP
Contact:	Gary Landis	**Location:**	VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1622-01	**MW1**	**Water**			**03/19/25**			**03/21/25**
			VOC-TCLVOA-10	8260-Low			03/24/25	
Q1622-02	**MW3**	**Water**			**03/19/25**			**03/21/25**
			VOC-TCLVOA-10	8260-Low			03/24/25	
Q1622-03	**Field-Blank**	**Water**			**03/19/25**			**03/21/25**
			VOC-TCLVOA-10	8260-Low			03/24/25	